



Arlington Conservation Commission

Date: Thursday, July 20, 2023

Time: 7:00 PM

Location: Conducted by Remote Participation

Please register in advance for this meeting. Reference materials, instructions, and access information for this specific meeting will be available 48 hours prior to the meeting on the Commission's agenda and minutes page. Pursuant to State Legislation suspending certain provisions of the Open Meeting Law, G. L. c. 30A, § 20 relating to the COVID-19 emergency, the June 1, 2023, public meeting of the Arlington Conservation Commission shall be physically closed to the public to avoid group congregation. The meeting shall instead be held virtually using Zoom. Please note: Not all items listed may in fact be discussed and other items not listed may be brought up for discussion to the extent permitted by law. This agenda includes those matters which can be reasonably anticipated to be discussed at the meeting.

Agenda

1. Administrative
 - a. June 1, 2023, Meeting Minutes
 - b. Correspondence Received.
All correspondence is available to the public. For a full list, contact the Conservation Agent at concomm@town.arlington.ma.us.
 - c. Future In-Person Meeting
 - d. MBTA Communities Update
 - e. Community Preservation Act Committee Liaison
 - f. Artificial Turf Study Committee Liaison
2. Discussion
 - a. Request for Certificate of Compliance: 47 Spy Pond Lane
 - b. Request for Certificate of Compliance: 49 Spy Pond Lane
 - c. Symmes Conservation Restriction / Arlington 360
 - d. Water Bodies Working Group
 - e. Tree Committee Liaison
 - f. Open Space Committee
3. Hearings

Request for Permit Extension: 869 Massachusetts Avenue (Arlington High School)

Request for Permit Extension: 869 Massachusetts Avenue (Arlington High School).

This public hearing will consider an extension to the permit for work at Arlington High School (DEP #091-0323) for construction of a new high school at 869 Massachusetts Avenue within the 100-foot Wetlands Buffer, Adjacent Upland Resource Area, and the 200-foot Riverfront Area of Mill Brook.



Town of Arlington, Massachusetts

Correspondence Received

Summary:

Correspondence Received.

All correspondence is available to the public. For a full list, contact the Conservation Agent at concomm@town.arlington.ma.us.



Town of Arlington, Massachusetts

Request for Certificate of Compliance: 47 Spy Pond Lane

Summary:

Request for Certificate of Compliance: 47 Spy Pond Lane



Town of Arlington, Massachusetts

Request for Certificate of Compliance: 49 Spy Pond Lane

Summary:

Request for Certificate of Compliance: 49 Spy Pond Lane

ATTACHMENTS:

	Type	File Name	Description
▢	Reference Material	Combined_47_and_49_SPy_Pond_Lane_COC_Materials.pdf	Combined 47 and 49 Spy Pond Lane COC Materials



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 8A – Request for Certificate of Compliance
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

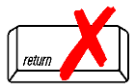
DEP File Number:

91-318
Provided by DEP

A. Project Information

Important:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Upon completion of the work authorized in an Order of Conditions, the property owner must request a Certificate of Compliance from the issuing authority stating that the work or portion of the work has been satisfactorily completed.

1. This request is being made by:

Scott Seaver, Seaver Construction

Name

215 Lexington Street

Mailing Address

Woburn

City/Town

MA

State

01801

Zip Code

781 935 0130

Phone Number

2. This request is in reference to work regulated by a final Order of Conditions issued to:

Seaver Construction

Applicant

May 12, 2020

Dated

91-318

DEP File Number

3. The project site is located at:

Lot 2: 47 Spy Pond Lan

Street Address

Arlington

City/Town

12-4-2

Assessors Map/Plat Number

Parcel/Lot Number

4. The final Order of Conditions was recorded at the Registry of Deeds for:

Seaver Construction

Property Owner (if different)

Middlesex

County

73606

Book

227

Page

Certificate (if registered land)

5. This request is for certification that (check one):

- ☐ the work regulated by the above-referenced Order of Conditions has been satisfactorily completed.
☒ the following portions of the work regulated by the above-referenced Order of Conditions have been satisfactorily completed (use additional paper if necessary).

All construction related to the dwelling; subsurface storm water management system; and planting of the buffer zone restoration area is complete. The requisite Vortech unit has been installed and approved by the Town of Arlington engineering department. Remaining work consists of the replacement of (2) Sycamore trees. Existing trees do not appear to meet the viability criteria of the OOC.

- ☐ the above-referenced Order of Conditions has lapsed and is therefore no longer valid, and the work regulated by it was never started.



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

WPA Form 8A – Request for Certificate of Compliance

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

91-318

Provided by DEP

A. Project Information (cont.)

6. Did the Order of Conditions for this project, or the portion of the project subject to this request, contain an approval of any plans stamped by a registered professional engineer, architect, landscape architect, or land surveyor?

☒ Yes

If yes, attach a written statement by such a professional certifying substantial compliance with the plans and describing what deviation, if any, exists from the plans approved in the Order.

☐ No

B. Submittal Requirements

Requests for Certificates of Compliance should be directed to the issuing authority that issued the final Order of Conditions (OOC). If the project received an OOC from the Conservation Commission, submit this request to that Commission. If the project was issued a Superseding Order of Conditions or was the subject of an Adjudicatory Hearing Final Decision, submit this request to the appropriate DEP Regional Office (see <http://www.mass.gov/eea/agencies/massdep/about/contacts/find-the-massdep-regional-office-for-your-city-or-town.html>).



TOWN OF ARLINGTON

Department of Public Works
51 Grove Street
Arlington, Massachusetts 02476
Office (781) 316-3320 Fax (781) 316-3281

Engineering Division

Wednesday, December 01, 2021

Seaver Construction, Inc.
Dana Tower
215 Lexington Street, Level 2
Woburn, MA 01801

RE: Offsite stormwater Vortech unit – 47 Spy Pond Lane

Mr. Tower,

Please accept this correspondence from the DPW Engineering Division as notification to you and the Arlington Conservation Commission as confirmation that the off-site stormwater unit conditioned with the 47 Spy Pond Lane Notice of Intent has been installed properly and a suitable as-built plan has been provided by Seaver Construction.

The as-built plan, with elevation data, was reviewed by the Engineering Division. In conjunction with staff field observations it was determined that the installation of the unit was in compliance with the approved design plans. Additionally, the Department of Public Works agrees to acceptance of the stormwater unit and the operation and maintenance requirements. As such, the Engineering Division acknowledges condition #59 of the Conservation Order of Conditions associated with the Notice of Intent for 47 Spy Pond Lane has been met.

Regards,

Wayne A. Chouinard, P.E.
Town Engineer

cc: Conservation Commission (by electronic mail)

Southern Middlesex - 20/20 Perfect Vision i2 Document Detail Report

Current datetime: 1/11/2023 11:48:26 AM

Doc#	Document Type	Town	Book/Page	File Date	Consideration
77584	ORDER		74724/411	05/21/2020	0.00
Property-Street Address and/or Description					
47 SPY POND LN LOTS 2 & B					
Grantors					
ARLINGTON CITY, SEAVER CONSTRUCTION					
Grantees					
References-Book/Pg Description Recorded Year					
73606/227 DEED 2019					
Registered Land Certificate(s)-Cert# Book/Pg					

Middlesex South Registry of Deeds

Electronically Recorded Document

This is the first page of the document - Do not remove

Recording Information

Document Number	: 77584
Document Type	: ORD
Recorded Date	: May 21, 2020
Recorded Time	: 02:32:47 PM
Recorded Book and Page	: 74724 / 411
Number of Pages(including cover sheet)	: 24
Receipt Number	: 2464291
Recording Fee	: \$105.00

Middlesex South Registry of Deeds
Maria C. Curtatone, Register
208 Cambridge Street
Cambridge, MA 02141
617-679-6300
www.middlesexsouthregistry.com

47SPL Lot2/LotB

73606/227



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 5 – Order of Conditions
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
091-0317
MassDEP File #
eDEP Transaction #
Arlington
City/Town

A. General Information

Please note:
this form has
been modified
with added
space to
accommodate
the Registry
of Deeds
Requirements

Important:
When filling
out forms on
the
computer,
use only the
tab key to
move your
cursor - do
not use the
return key.



1. From: Arlington
Conservation Commission
2. This issuance is for (check one):
a. ☒ Order of Conditions b. ☐ Amended Order of Conditions
3. To: Applicant:

<u>Scott</u>	<u>Seaver</u>
a. First Name	b. Last Name
<u>Seaver Construction</u>	
c. Organization	
<u>215 Lexington Street</u>	
d. Mailing Address	
<u>Woburn</u>	<u>MA</u>
e. City/Town	f. State
	<u>01801</u>
	g. Zip Code
4. Property Owner (if different from applicant):

<u></u>	<u></u>
a. First Name	b. Last Name
<u></u>	
c. Organization	
<u></u>	
d. Mailing Address	
<u></u>	<u></u>
e. City/Town	f. State
	g. Zip Code
5. Project Location:

<u>47 Spy Pond Lane (Lot2/LotB)</u>	<u>Arlington</u>
a. Street Address	b. City/Town
<u>12-4-2</u>	
c. Assessors Map/Plat Number	d. Parcel/Lot Number

Latitude and Longitude, if known: d m s d m s
d. Latitude e. Longitude



Massachusetts Department of Environmental Protection
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A. General Information (cont.)

6. Property recorded at the Registry of Deeds for (attach additional information if more than one parcel):

Middlesex South

a. County

73606

c. Book

b. Certificate Number (if registered land)

227

d. Page

7. Dates: 2/21/2020 4/16/2020 5/12/2020
a. Date Notice of Intent Filed b. Date Public Hearing Closed c. Date of Issuance

8. Final Approved Plans and Other Documents (attach additional plan or document references as needed):

"Proposed Site Plan in Arlington, Mass" showing Lot 2

a. Plan Title

Keenan Survey of Winchester, MA

b. Prepared By

March 7, 2019

d. Final Revision Date

See Findings and Special Conditions

f. Additional Plan or Document Title

James Richard Keenan P.L.S #30751

c. Signed and Stamped by

1:10

e. Scale

various

g. Date

B. Findings

1. Findings pursuant to the Massachusetts Wetlands Protection Act:

Following the review of the above-referenced Notice of Intent and based on the information provided in this application and presented at the public hearing, this Commission finds that the areas in which work is proposed is significant to the following interests of the Wetlands Protection Act (the Act). Check all that apply:

- a. ☒ Public Water Supply b. ☐ Land Containing Shellfish c. ☒ Prevention of Pollution
d. ☒ Private Water Supply e. ☐ Fisheries f. ☒ Protection of Wildlife Habitat
g. ☒ Groundwater Supply h. ☐ Storm Damage Prevention i. ☐ Flood Control

2. This Commission hereby finds the project, as proposed, is: (check one of the following boxes)

Approved subject to:

- a. ☒ the following conditions which are necessary in accordance with the performance standards set forth in the wetlands regulations. This Commission orders that all work shall be performed in accordance with the Notice of Intent referenced above, the following General Conditions, and any other special conditions attached to this Order. To the extent that the following conditions modify or differ from the plans, specifications, or other proposals submitted with the Notice of Intent, these conditions shall control.



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B. Findings (cont.)

Denied because:

- b. ☐ the proposed work cannot be conditioned to meet the performance standards set forth in the wetland regulations. Therefore, work on this project may not go forward unless and until a new Notice of Intent is submitted which provides measures which are adequate to protect the interests of the Act, and a final Order of Conditions is issued. **A description of the performance standards which the proposed work cannot meet is attached to this Order.**
- c. ☐ the information submitted by the applicant is not sufficient to describe the site, the work, or the effect of the work on the interests identified in the Wetlands Protection Act. Therefore, work on this project may not go forward unless and until a revised Notice of Intent is submitted which provides sufficient information and includes measures which are adequate to protect the Act's interests, and a final Order of Conditions is issued. **A description of the specific information which is lacking and why it is necessary is attached to this Order as per 310 CMR 10.05(6)(c).**
3. ☒ Buffer Zone Impacts: Shortest distance between limit of project disturbance and the wetland resource area specified in 310 CMR 10.02(1)(a) 90
a. linear feet

Inland Resource Area Impacts: Check all that apply below. (For Approvals Only)

Resource Area	Proposed Alteration	Permitted Alteration	Proposed Replacement	Permitted Replacement
4. <input type="checkbox"/> Bank	a. linear feet	b. linear feet	c. linear feet	d. linear feet
5. <input type="checkbox"/> Bordering Vegetated Wetland	a. square feet	b. square feet	c. square feet	d. square feet
6. <input type="checkbox"/> Land Under Waterbodies and Waterways	a. square feet	b. square feet	c. square feet	d. square feet
	e. c/y dredged	f. c/y dredged		
7. <input type="checkbox"/> Bordering Land Subject to Flooding	a. square feet	b. square feet	c. square feet	d. square feet
Cubic Feet Flood Storage	e. cubic feet	f. cubic feet	g. cubic feet	h. cubic feet
8. <input type="checkbox"/> Isolated Land Subject to Flooding	a. square feet	b. square feet		
Cubic Feet Flood Storage	c. cubic feet	d. cubic feet	e. cubic feet	f. cubic feet
9. <input type="checkbox"/> Riverfront Area	a. total sq. feet	b. total sq. feet		
Sq ft within 100 ft	c. square feet	d. square feet	e. square feet	f. square feet
Sq ft between 100-200 ft	g. square feet	h. square feet	i. square feet	j. square feet



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B. Findings (cont.)

Coastal Resource Area Impacts: Check all that apply below. (For Approvals Only)

	Proposed Alteration	Permitted Alteration	Proposed Replacement	Permitted Replacement
10. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below			
11. <input type="checkbox"/> Land Under the Ocean	a. square feet	b. square feet		
	c. c/y dredged	d. c/y dredged		
12. <input type="checkbox"/> Barrier Beaches	Indicate size under Coastal Beaches and/or Coastal Dunes below			
13. <input type="checkbox"/> Coastal Beaches	a. square feet	b. square feet	c. nourishment cu yd	d. nourishment cu yd
14. <input type="checkbox"/> Coastal Dunes	a. square feet	b. square feet	c. nourishment cu yd	d. nourishment cu yd
15. <input type="checkbox"/> Coastal Banks	a. linear feet	b. linear feet		
16. <input type="checkbox"/> Rocky Intertidal Shores	a. square feet	b. square feet		
17. <input type="checkbox"/> Salt Marshes	a. square feet	b. square feet	c. square feet	d. square feet
18. <input type="checkbox"/> Land Under Salt Ponds	a. square feet	b. square feet		
	c. c/y dredged	d. c/y dredged		
19. <input type="checkbox"/> Land Containing Shellfish	a. square feet	b. square feet	c. square feet	d. square feet
20. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, Inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above			
	a. c/y dredged	b. c/y dredged		
21. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	a. square feet	b. square feet		
22. <input type="checkbox"/> Riverfront Area	a. total sq. feet	b. total sq. feet		
Sq ft within 100 ft	c. square feet	d. square feet	e. square feet	f. square feet
Sq ft between 100-200 ft	g. square feet	h. square feet	i. square feet	j. square feet



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B. Findings (cont.)

* #23. If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.5.c (BVW) or B.17.c (Salt Marsh) above, please enter the additional amount here.

23. ☒ Restoration/Enhancement *:

200

a. square feet of BVW

b. square feet of salt marsh

24. ☐ Stream Crossing(s):

a. number of new stream crossings

b. number of replacement stream crossings

C. General Conditions Under Massachusetts Wetlands Protection Act

The following conditions are only applicable to Approved projects.

1. Failure to comply with all conditions stated herein, and with all related statutes and other regulatory measures, shall be deemed cause to revoke or modify this Order.
2. The Order does not grant any property rights or any exclusive privileges; it does not authorize any injury to private property or invasion of private rights.
3. This Order does not relieve the permittee or any other person of the necessity of complying with all other applicable federal, state, or local statutes, ordinances, bylaws, or regulations.
4. The work authorized hereunder shall be completed within three years from the date of this Order unless either of the following apply:
 - a. The work is a maintenance dredging project as provided for in the Act; or
 - b. The time for completion has been extended to a specified date more than three years, but less than five years, from the date of issuance. If this Order is intended to be valid for more than three years, the extension date and the special circumstances warranting the extended time period are set forth as a special condition in this Order.
 - c. If the work is for a Test Project, this Order of Conditions shall be valid for no more than one year.
5. This Order may be extended by the issuing authority for one or more periods of up to three years each upon application to the issuing authority at least 30 days prior to the expiration date of the Order. An Order of Conditions for a Test Project may be extended for one additional year only upon written application by the applicant, subject to the provisions of 310 CMR 10.05(11)(f).
6. If this Order constitutes an Amended Order of Conditions, this Amended Order of Conditions does not extend the issuance date of the original Final Order of Conditions and the Order will expire on 05/12/2023 unless extended in writing by the Department.
7. Any fill used in connection with this project shall be clean fill. Any fill shall contain no trash, refuse, rubbish, or debris, including but not limited to lumber, bricks, plaster, wire, lath, paper, cardboard, pipe, tires, ashes, refrigerators, motor vehicles, or parts of any of the foregoing.



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C. General Conditions Under Massachusetts Wetlands Protection Act

8. This Order is not final until all administrative appeal periods from this Order have elapsed, or if such an appeal has been taken, until all proceedings before the Department have been completed.
9. No work shall be undertaken until the Order has become final and then has been recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land upon which the proposed work is to be done. In the case of the registered land, the Final Order shall also be noted on the Land Court Certificate of Title of the owner of the land upon which the proposed work is done. The recording information shall be submitted to the Conservation Commission on the form at the end of this Order, which form must be stamped by the Registry of Deeds, prior to the commencement of work.
10. A sign shall be displayed at the site not less than two square feet or more than three square feet in size bearing the words,

"Massachusetts Department of Environmental Protection" [or, "MassDEP"]
"File Number 091-0317 "
11. Where the Department of Environmental Protection is requested to issue a Superseding Order, the Conservation Commission shall be a party to all agency proceedings and hearings before MassDEP.
12. Upon completion of the work described herein, the applicant shall submit a Request for Certificate of Compliance (WPA Form 8A) to the Conservation Commission.
13. The work shall conform to the plans and special conditions referenced in this order.
14. Any change to the plans identified in Condition #13 above shall require the applicant to inquire of the Conservation Commission in writing whether the change is significant enough to require the filing of a new Notice of Intent.
15. The Agent or members of the Conservation Commission and the Department of Environmental Protection shall have the right to enter and inspect the area subject to this Order at reasonable hours to evaluate compliance with the conditions stated in this Order, and may require the submittal of any data deemed necessary by the Conservation Commission or Department for that evaluation.
16. This Order of Conditions shall apply to any successor in interest or successor in control of the property subject to this Order and to any contractor or other person performing work conditioned by this Order.



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C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

17. Prior to the start of work, and if the project involves work adjacent to a Bordering Vegetated Wetland, the boundary of the wetland in the vicinity of the proposed work area shall be marked by wooden stakes or flagging. Once in place, the wetland boundary markers shall be maintained until a Certificate of Compliance has been issued by the Conservation Commission.
18. All sedimentation barriers shall be maintained in good repair until all disturbed areas have been fully stabilized with vegetation or other means. At no time shall sediments be deposited in a wetland or water body. During construction, the applicant or his/her designee shall inspect the erosion controls on a daily basis and shall remove accumulated sediments as needed. The applicant shall immediately control any erosion problems that occur at the site and shall also immediately notify the Conservation Commission, which reserves the right to require additional erosion and/or damage prevention controls it may deem necessary. Sedimentation barriers shall serve as the limit of work unless another limit of work line has been approved by this Order.
19. The work associated with this Order (the "Project")
 - (1) ☐ is subject to the Massachusetts Stormwater Standards
 - (2) ☒ is NOT subject to the Massachusetts Stormwater Standards

If the work is subject to the Stormwater Standards, then the project is subject to the following conditions:

- a) All work, including site preparation, land disturbance, construction and redevelopment, shall be implemented in accordance with the construction period pollution prevention and erosion and sedimentation control plan and, if applicable, the Stormwater Pollution Prevention Plan required by the National Pollution Discharge Elimination System Construction General Permit as required by Stormwater Condition 8. Construction period erosion, sedimentation and pollution control measures and best management practices (BMPs) shall remain in place until the site is fully stabilized.
- b) No stormwater runoff may be discharged to the post-construction stormwater BMPs unless and until a Registered Professional Engineer provides a Certification that:
 - i. all construction period BMPs have been removed or will be removed by a date certain specified in the Certification. For any construction period BMPs intended to be converted to post construction operation for stormwater attenuation, recharge, and/or treatment, the conversion is allowed by the MassDEP Stormwater Handbook BMP specifications and that the BMP has been properly cleaned or prepared for post construction operation, including removal of all construction period sediment trapped in inlet and outlet control structures;
 - ii. as-built final construction BMP plans are included, signed and stamped by a Registered Professional Engineer, certifying the site is fully stabilized;
 - iii. any illicit discharges to the stormwater management system have been removed, as per the requirements of Stormwater Standard 10;



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C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

iv. all post-construction stormwater BMPs are installed in accordance with the plans (including all planting plans) approved by the issuing authority, and have been inspected to ensure that they are not damaged and that they are in proper working condition;

v. any vegetation associated with post-construction BMPs is suitably established to withstand erosion.

c) The landowner is responsible for BMP maintenance until the issuing authority is notified that another party has legally assumed responsibility for BMP maintenance. Prior to requesting a Certificate of Compliance, or Partial Certificate of Compliance, the responsible party (defined in General Condition 18(e)) shall execute and submit to the issuing authority an Operation and Maintenance Compliance Statement ("O&M Statement") for the Stormwater BMPs identifying the party responsible for implementing the stormwater BMP Operation and Maintenance Plan ("O&M Plan") and certifying the following:

i.) the O&M Plan is complete and will be implemented upon receipt of the Certificate of Compliance, and

ii.) the future responsible parties shall be notified in writing of their ongoing legal responsibility to operate and maintain the stormwater management BMPs and implement the Stormwater Pollution Prevention Plan.

d) Post-construction pollution prevention and source control shall be implemented in accordance with the long-term pollution prevention plan section of the approved Stormwater Report and, if applicable, the Stormwater Pollution Prevention Plan required by the National Pollution Discharge Elimination System Multi-Sector General Permit.

e) Unless and until another party accepts responsibility, the landowner, or owner of any drainage easement, assumes responsibility for maintaining each BMP. To overcome this presumption, the landowner of the property must submit to the issuing authority a legally binding agreement of record, acceptable to the issuing authority, evidencing that another entity has accepted responsibility for maintaining the BMP, and that the proposed responsible party shall be treated as a permittee for purposes of implementing the requirements of Conditions 18(f) through 18(k) with respect to that BMP. Any failure of the proposed responsible party to implement the requirements of Conditions 18(f) through 18(k) with respect to that BMP shall be a violation of the Order of Conditions or Certificate of Compliance. In the case of stormwater BMPs that are serving more than one lot, the legally binding agreement shall also identify the lots that will be serviced by the stormwater BMPs. A plan and easement deed that grants the responsible party access to perform the required operation and maintenance must be submitted along with the legally binding agreement.

f) The responsible party shall operate and maintain all stormwater BMPs in accordance with the design plans, the O&M Plan, and the requirements of the Massachusetts Stormwater Handbook.



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C. General Conditions Under Massachusetts Wetlands Protection Act (cont.)

g) The responsible party shall:

1. Maintain an operation and maintenance log for the last three (3) consecutive calendar years of inspections, repairs, maintenance and/or replacement of the stormwater management system or any part thereof, and disposal (for disposal the log shall indicate the type of material and the disposal location);
2. Make the maintenance log available to MassDEP and the Conservation Commission ("Commission") upon request; and
3. Allow members and agents of the MassDEP and the Commission to enter and inspect the site to evaluate and ensure that the responsible party is in compliance with the requirements for each BMP established in the O&M Plan approved by the issuing authority.

h) All sediment or other contaminants removed from stormwater BMPs shall be disposed of in accordance with all applicable federal, state, and local laws and regulations.

i) Illicit discharges to the stormwater management system as defined in 310 CMR 10.04 are prohibited.

j) The stormwater management system approved in the Order of Conditions shall not be changed without the prior written approval of the issuing authority.

k) Areas designated as qualifying pervious areas for the purpose of the Low Impact Site Design Credit (as defined in the MassDEP Stormwater Handbook, Volume 3, Chapter 1, Low Impact Development Site Design Credits) shall not be altered without the prior written approval of the issuing authority.

l) Access for maintenance, repair, and/or replacement of BMPs shall not be withheld. Any fencing constructed around stormwater BMPs shall include access gates and shall be at least six inches above grade to allow for wildlife passage.

Special Conditions (if you need more space for additional conditions, please attach a text document):

See Attached Findings and Conditions

20. For Test Projects subject to 310 CMR 10.05(11), the applicant shall also implement the monitoring plan and the restoration plan submitted with the Notice of Intent. If the conservation commission or Department determines that the Test Project threatens the public health, safety or the environment, the applicant shall implement the removal plan submitted with the Notice of Intent or modify the project as directed by the conservation commission or the Department.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 5 – Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

091-0317

MassDEP File #

eDEP Transaction #

Arlington

City/Town

D. Findings Under Municipal Wetlands Bylaw or Ordinance

1. Is a municipal wetlands bylaw or ordinance applicable? ☐ Yes ☒ No
2. The _____ hereby finds (check one that applies):

Conservation Commission

- a. ☐ that the proposed work cannot be conditioned to meet the standards set forth in a municipal ordinance or bylaw, specifically:

1. Municipal Ordinance or Bylaw

2. Citation

Therefore, work on this project may not go forward unless and until a revised Notice of Intent is submitted which provides measures which are adequate to meet these standards, and a final Order of Conditions is issued.

- b. ☐ that the following additional conditions are necessary to comply with a municipal ordinance or bylaw:

1. Municipal Ordinance or Bylaw

2. Citation

3. The Commission orders that all work shall be performed in accordance with the following conditions and with the Notice of Intent referenced above. To the extent that the following conditions modify or differ from the plans, specifications, or other proposals submitted with the Notice of Intent, the conditions shall control.

The special conditions relating to municipal ordinance or bylaw are as follows (if you need more space for additional conditions, attach a text document):

This project was approved under the Arlington Bylaw for Wetlands Protection and issued a permit on 12/21/2018.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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E. Signatures

This Order is valid for three years, unless otherwise specified as a special condition pursuant to General Conditions #4, from the date of issuance.

5/12/2020
 1. Date of Issuance

Please indicate the number of members who will sign this form.

4
 2. Number of Signers

This Order must be signed by a majority of the Conservation Commission.

The Order must be mailed by certified mail (return receipt requested) or hand delivered to the applicant. A copy also must be mailed or hand delivered at the same time to the appropriate Department of Environmental Protection Regional Office, if not filing electronically, and the property owner, if different from applicant.

Signatures:

[Signature]
[Signature]
[Signature]

[Signature]
[Signature]
[Signature]

☐ by hand delivery on

☒ by certified mail, return receipt requested, on

Date

Date

5/12/2020

F. Appeals

The applicant, the owner, any person aggrieved by this Order, any owner of land abutting the land subject to this Order, or any ten residents of the city or town in which such land is located, are hereby notified of their right to request the appropriate MassDEP Regional Office to issue a Superseding Order of Conditions. The request must be made by certified mail or hand delivery to the Department, with the appropriate filing fee and a completed Request for Departmental Action Fee Transmittal Form, as provided in 310 CMR 10.03(7) within ten business days from the date of issuance of this Order. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and to the applicant, if he/she is not the appellant.

Any appellants seeking to appeal the Department's Superseding Order associated with this appeal will be required to demonstrate prior participation in the review of this project. Previous participation in the permit proceeding means the submission of written information to the Conservation Commission prior to the close of the public hearing, requesting a Superseding Order, or providing written information to the Department prior to issuance of a Superseding Order.

The request shall state clearly and concisely the objections to the Order which is being appealed and how the Order does not contribute to the protection of the interests identified in the Massachusetts Wetlands Protection Act (M.G.L. c. 131, § 40), and is inconsistent with the wetlands regulations (310 CMR 10.00). To the extent that the Order is based on a municipal ordinance or bylaw, and not on the Massachusetts Wetlands Protection Act or regulations, the Department has no appellate jurisdiction.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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G. Recording Information

Prior to commencement of work, this Order of Conditions must be recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land subject to the Order. In the case of registered land, this Order shall also be noted on the Land Court Certificate of Title of the owner of the land subject to the Order of Conditions. The recording information on this page shall be submitted to the Conservation Commission listed below.

Arlington

Conservation Commission

Detach on dotted line, have stamped by the Registry of Deeds and submit to the Conservation Commission.

To:

Arlington

Conservation Commission

Please be advised that the Order of Conditions for the Project at:

47 Spy Pond Lane (Lot2/LotB)

Project Location

091-0317

MassDEP File Number

Has been recorded at the Registry of Deeds of:

Middlesex South

County

73606

Book

227

Page

for: Scott Seaver, Seaver Construction

Property Owner

and has been noted in the chain of title of the affected property in:

Book

Page

In accordance with the Order of Conditions issued on:

05/12/2020

Date

If recorded land, the instrument number identifying this transaction is:

Instrument Number

If registered land, the document number identifying this transaction is:

Document Number

Signature of Applicant

ARLINGTON CONSERVATION COMMISSION
APPROVAL ORDER OF CONDITIONS – 47 SPY POND LANE – LOT 2(B)
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DOCUMENTS REVIEWED

1. Notice of Intent for work at 47 Spy Pond Lane (Lot 2/Lot B), Arlington, MA, signed September 18, 2018 by Mary Trudeau; Applicant: Scott Seaver of Seaver Construction, Woburn, MA and Representative: Mary Trudeau of Lexington, MA, and including:
 - a. "Description of Work - Notice of Intent Filing", undated (5 pages).
 - b. June 28, 2016 Drainage Analysis for 47 Spy Pond Lane Lot 2/B conducted by Alan Engineering LLC.
 - c. Vortechs Stormwater System design plan, standard detail plan, estimated net annual TSS reduction calculations, and water quality flow rate calculations.
 - d. October 29, 2018 letter from Division of Fisheries and Wildlife and Natural Heritage and Endangered Species Program map of site.
 - e. Construction Period Stormwater Operation and Maintenance Plan, 47 Spy Pond Lane (Lot 2/B), undated (4 pages).
 - f. Post-Construction Construction Stormwater Operation & Maintenance Plan, 47 Spy Pond Lane (Lot 2/B), undated (3 pages).
 - g. MassDEP Superseding Order of Conditions/Approval Cover Letter (3 pages).
 - h. MassDEP Superseding Order of Conditions/Approval Permit and Special Conditions (15 pages).
2. "Proposed Site Plan in Arlington, Mass." showing Lot 2 by Keenan Survey of Winchester, MA, scale 1:10, dated March 7, 2019, stamped by James Richard Keenan, P.L.S #30751.
3. "Planting Plan in Arlington, Mass." showing Lot 2 by Keenan Survey of Winchester, MA, scale 1:10, dated March 7, 2019, by James Richard Keenan, P.L.S #30751.
4. All relevant documents submitted during the prior hearings and working session(s) for which the Commission approved this project under the Arlington Bylaw for Wetlands Protection on 12/21/2018 are incorporated by reference.

PROCEEDINGS

The Conservation Commission held hearings on the Notices of Intent filed under the Massachusetts Wetlands Protection Act only on March 5 and April 2, 2020. The Commission closed the public hearing on April 2, 2020, and deliberated on April 16, 2020 and May 7, 2020.

On May 7, 2020, the Commission voted 5-1-0 to approve the Project with conditions under the Massachusetts Wetlands Protection Act (the "Act").

Hearings and deliberations for 47 Spy Pond Lane Lots A(1) and B(2) were performed together; however, two separate decisions were rendered, consistent with the two separate filings for Lot A(1) and Lot B(2).

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**FINDINGS OF FACT AND LAW
UNDER MASSACHUSETTS WETLANDS PROTECT ACT**

- A. The Applicant filed a Notice of Intent under the Massachusetts Wetlands Protection Act only because the Superseding Order of Conditions issued in late 2016 had expired; as such, these findings do not consider the Arlington Bylaw for Wetlands Protection and regulations thereunder.
- B. The Commission approved this project under the Arlington Bylaw for Wetlands Protection (the "Bylaw") on 12/21/2018.
- C. The Commissions finds that the property at 47 Spy Pond Lane is currently, and has been for 50 or more continuous years, considered and managed as a single parcel with an existing house (vacant due to a fire) and large paved driveway to the north. The property is approximately 18,300 square feet along the shoreline of Spy Pond. The existing house and all but 789 (491 lot 1+ 298 lot 2) sq. ft. of the existing expansive driveway are beyond 100 feet from Spy Pond so the house and most of the existing driveway are outside of the Commission's jurisdiction.
- D. The Applicant represents that the existing historical lot can be divided into two new conforming lots under zoning. The Applicant thus filed a Notice of Intent (NOI) for each proposed Lot. Lot 1, also called Lot A, consists of the majority of the existing paved driveway, lawn area, trees and shrubs. Lot 2, also called Lot B, consists of the existing house, small portion of paved driveway, lawn area, trees and shrubs. Lot 2/B is approximately 8,784 square feet. A separate decision for approval was made for Lot 1(A) under the Bylaw on 10/18/2019.
- E. This Order of Conditions is only for work proposed and allowed on Lot 2/B. Work proposed on Lot 1/A is covered under a different Order of Conditions.
- F. 47 Spy Pond Lane slopes downward and toward Spy Pond which borders the property on the north. Resource Areas under the Act on or within 100 feet of the property of Lot 2(B) are: Land Under Water Body, Bordering Vegetated Wetland ("BVW"), Bordering Land Subject to Flooding, Bank, and Wetlands Buffer.
- G. The Commission finds the delineation of Land Under Water Body, Bordering Vegetated Wetland ("BVW"), Bordering Land Subject to Flooding, Bank, and Wetlands Buffer shown on the latest revised plans to be accurate.

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- H. The Town of Arlington holds a sewer easement through the 47 Spy Pond Lane property in which it has placed a sewer line serving the neighborhood. Its location is shown on several plans.
- I. The Commission finds that the Resource Areas on Lot 2(B) are significant to the Resource Area values protected by the Act, as specified in the Regulations for each Resource Area.
- J. Spy Pond is an approximately 100-acre pond that is teeming with wildlife and enjoyed by many Arlington residents. Spy Pond Park is one of the most used parks in Arlington. The Arlington Boys and Girls Club also borders the shoreline and uses the Pond for many activities. The Town over the years has funded efforts to reduce and manage invasive aquatic plant species in Spy Pond. Many groups in Arlington advocate for the preservation of Spy Pond and work to improve its water quality, including the Arlington Conservation Commission, Spy Pond Committee, Friends of Spy Pond Park, and the Arlington Land Trust.
- K. The Notice of Intent and plans for Lot 2(B) proposes demolition of the existing house and construction of a house with a building footprint of approximately 2,080 square feet with the closest point of the dwelling located approximately 90 feet from the pond (10-foot intrusion into the Wetlands Buffer Zone) and related appurtenances including an underground stormwater infiltration device. Work also includes grading next to the house, the addition of a native planting area within 25-feet from the Pond, and an 8-foot wide lawn path through the Wetlands Buffer Zone down to the Pond along the edge of the property. There will be a field-stone unmortared and dry-laid wall at 25-feet from the Pond to surround the proposed 25-foot planting area. The proposal also includes installing an offsite stormwater treatment unit at the corner of Princeton Road and Alfred Road to treatment stormwater from an approximately 1.55 acre watershed area.
- L. The Commission finds that the existing impervious surface on the proposed 8,784 square foot Lot 2(B) is 298 square feet within the Wetlands Buffer and that the project will reduce the amount of impervious surface to 210 square feet, which will serve to enhance the interests of the Act including pollution prevention, enhancing ground water supply, and wildlife habitat.
- M. The Applicant has significantly reduced the footprint of the house from the first Notice of Intent filed in 2016. The proposed house is now approximately 90-feet from the boundary of the resource area. Mitigation measures proposed for the 10-foot intrusion into the Wetland Buffer are detailed in the following Findings N through S, below.
- N. The proposed project mitigates more stormwater runoff than needed for the size of the proposed house. The two infiltration chambers will have the capacity for a larger house

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originally proposed in 2017 even though the house will now be smaller. This added capacity further protects the interests of the Act by providing more than sufficient infiltration of roof runoff, meaning there will be less overland stormwater flow across the property into Spy Pond. The existing house has no stormwater infiltration system.

- O. During construction, erosion and sediment controls will serve to protect the Wetlands Buffer, BVW, and Spy Pond resource areas.
- P. The proposed 25-foot wide area of native plantings close to Spy Pond will enhance wildlife habitat by providing more plant material for wildlife foraging, escape cover, over-wintering and breeding. Currently, this area is lawn. The vegetated buffer will also help to protect the water quality of Spy Pond by slowing down stormwater runoff and bringing greater stability to the bank and areas immediately adjacent to Spy Pond. The Applicant agrees to construct an unmortered, dry-laid stone wall as a boundary to this vegetative buffer area.
- Q. The Applicant agrees to pursue a waterways license modification to relocate the dock currently on Lot 1(A), to run perpendicular to and straddle the property line between Lot 1(A) and Lot 2(B). Moving the dock to the proposed boundary between Lot 1 and Lot 2 as a shared dock will further protect the bank of Spy Pond by reducing the number of access points that may result in bank erosion and sediment entering Spy Pond.
- R. The Applicant agrees to purchase and install off-site mitigation stormwater Vortechincs 2000 water quality treatment unit at the intersection of Princeton Road and Alfred Road. The Town will maintain it per conversations with the Town Engineer. The Town of Arlington shall take over the maintenance of the unit per the conservations documented with the Town Engineer, only when the Town Engineer is satisfied with the function of the unit. The off-site unit shall be installed and accepted by Arlington Department of Public Works within 12 months of the issuance of the Order of Conditions.
- S. The Applicant agrees to install a pervious driveway and walkway although outside of the Conservation Commission's jurisdiction. The Applicant agrees to put in a deed restriction that these surfaces are to remain pervious.

CONCLUSION

The Commission finds that the proposed work on Lot 2(B) has the potential to individually and/or cumulatively harm the resource area values protected by the Act if not adequately regulated, but can proceed here given that impervious area will be reduced from existing within the Wetlands Buffer, the mitigation provided, and implementation of the conditions specified herein.

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Based on the testimony at the public hearings, and review of the application materials and the documents listed above submitted during the public hearings, the Commission concludes that the proposed Project as conditioned will not have significant or cumulative effects upon the interests of the Resource Area values of the Massachusetts Wetlands Protection Act when the conditions imposed are implemented to protect the Resource Area values. With the conditions contained herein, the Project meets the performance standards in the Act.

For the foregoing reasons, the Commission approves under the Act with the conditions stated herein the applications for work on 47 Spy Pond Lane Lot 2(B).

ADDITIONAL SPECIAL CONDITIONS

In addition to the General Conditions (numbered 1 – 20 above), the Project is subject to the following Additional Special Conditions (under the Act):

Pre-Construction

21. Work permitted by this Order and Permit shall conform to the Notice of Intent, the approved plans and documents (listed above), and oral representations (as recorded in hearing minutes) submitted or made by the Applicant and the Applicant's agents or representatives, as well as any plans and other data, information or representations submitted per these Conditions and approved by the Commission.
22. The provisions of this Order and Permit shall apply to and be binding upon the Applicant and Applicant's assignees, tenants, property management company, employees, contractors, and agents.
23. Work for this project started in November 2019. All project work except for framing and interior work was permitted to continue after it became known that the superseding Order of Conditions has expired. All remaining work cannot resume until: (a) all other required permits or approvals have been obtained and (b) the appeal period of ten (10) business days from the date of issue of this Order has expired without any appeal being filed, and (c) this Order has been recorded in the Registry of Deeds.
24. The Applicant shall ensure that a copy of this Order of Conditions and Permit for work, with any referenced plans, is available on site at all times, and that contractors, site managers, foremen, and sub-contractors understand its provisions.
25. Prior to work resuming, the Applicant shall submit to the Commission the names and 24-hour phone numbers of project managers or the persons responsible for site work or mitigation.

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26. Before work begins, erosion and sediment controls shall be installed at the limits of the work area. These will include a silt fence and 12-inch straw or silt wattle around the entire work area (hay bales are not allowed and silt socks are preferred).
27. Prior to work resuming, the contractor shall contact the Conservation Agent (concomm@town.arlington.ma.us ; 781-316-3012) to arrange for a pre-construction meeting with the on-site project manager to walk through the Order of Conditions, confirm the wash out location, and walk the site to confirm the installation and placement of erosion controls prior to the start of any grading or construction work.
28. At least 21 days prior to work resuming, the Applicant shall submit revised planting, foundation, retaining wall, pervious surfaces plans reflecting any additions, additional details, and changes from the December 21, 2018 plans referenced in this Order of Conditions to the Commission for approval.
29. The contractor shall provide written Notice of the work start date to the Conservation Agent 48 hours prior to work resuming.
30. The Commission, its employees, and its agents shall have the right of entry onto the site to inspect for compliance with the terms of this Order of Conditions and Permit until a Certificate of Compliance has been issued.
31. Before the Applicant named in this Order sells or conveys either Lot 1/A or Lot 2/B whichever occurs first, the Applicant shall submit for Conservation Commission approval a restrictive covenant that any pervious surfaces shown on the plan outside of the Commission's jurisdiction shall remain pervious. The restrictive covenant shall benefit and be enforceable by the Conservation Commission and the Town of Arlington. Before either property is sold (whichever occurs first), the restrictive covenant must be executed and recorded, and proof of recording provided to the Commission.
32. The Applicant shall include the Arlington Conservation Commission's Agent on all communication related to the necessary Chapter 91 Licensing in order to move the location of the existing dock to the boundary of Lots 1/A and 2/B. The Applicant shall not later than September 1, 2020 file a formal request to MassDEP's Waterways Division its request to relocate the dock. If MassDEP does not grant permission to relocate the dock, the Applicant shall remove it.

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Environmental Monitors

33. The Applicant must hire a qualified environmental monitor to be on-site during project construction. The monitor shall submit an electronic report to the Conservation Agent twice a month regarding construction progress and relation to resource areas. The qualified environmental monitor shall also submit an electronic report after every rain event exceeding 0.5 inches of rain during the duration of construction to the Conservation Agent regarding the condition of the site during and after the rain event, as well as the status erosion controls and any additional measures to address stormwater management issues caused by said rain event.
34. The Applicant must hire a qualified planting monitor to oversee the installation of the vegetated buffer plantings installation. The qualified monitor shall be a certified landscape architect. A planting report must be submitted to the Conservation Commission within 10 days of the completion of the plant installation. The planting report shall include an as-installed plan and a list of what was planted (including Latin and common names, size of each plant, quantity of each species).
35. The Applicant must hire a qualified stormwater monitor or engineer to oversee the installation of the on-site stormwater infiltration unit, permeable pavers, and off-site stormwater mitigation unit. The qualified stormwater monitor shall be a certified engineer. A stormwater mitigation report must be submitted to the Conservation Commission within 10 days of the completion of the stormwater infiltration units and permeable pavers installation. The stormwater report shall included as-built plans, photographs from installation, and a written summary of the installation of the on-site stormwater infiltration unit, permeable pavers, and off-site stormwater mitigation unit. The stormwater monitor shall submit separate reports for the on-site stormwater infiltration unit, permeable pavers, and off-site stormwater mitigation unit.

Post-Construction

36. When requesting a Certificate of Compliance for this Order of Conditions, the Applicant must submit a written statement from a either (1) Massachusetts professional engineer and registered land surveyor, or (2) registered land surveyor and landscape architect certifying that the completed work complies with the plans referenced in this Order, or provide an as-built plan and statement describing any differences.
37. Certification must be provided to the Commission that the Order of Conditions has been conveyed and received by any new owner of the property, so that new owners were apprised of the continuing conditions of this permit. **This shall be a continuing condition that survives the expiration of this permit.**

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Dumpsters

38. All dumpsters must be covered at the end of each work day, and no dumpsters will be allowed overnight within the 100-foot Buffer Zone or other Resource Areas.

Stockpiling

39. No uncovered stockpiling of materials shall be permitted overnight within 100 feet of any waterway or water body.

Erosion

40. Areas that are disturbed by construction and access activities shall as soon as possible be brought to final grade and reseeded and restabilized, and shall be done so prior to the removal of the erosion control barrier.

Equipment

41. No heavy equipment may be stored overnight within 50 feet of the wetland and no refueling or maintenance of machinery shall be allowed within the 100-foot Buffer Zone or within any Resource Area.
42. Arrangements shall be made for any rinsing of tools, equipment, etc. associated with on-site mixing or use of concrete or other materials such that the waste water is disposed of in the concrete wash out station-at least 50 feet from the resource area. In no case may waste water be discharged into or onto Resource Areas on or adjacent to the site. In no case may waste water be placed in stormdrains. Any spillage of materials shall be cleaned up promptly.

Sweeping

43. A power-broom must be kept onsite at all times to conduct the daily workday street sweeping along the construction entrance and street within the property boundaries.
44. Any dirt or debris spilled or tracked onto any paved streets shall be swept up and removed daily with a power-broom.

Dewatering

45. Any dewatering operations shall conform to the following:
- a. Notify the Conservation Commission that dewatering is required.
 - b. Any catch basins, drains, and outfalls to be used in dewatering operations shall be cleaned out before operations begin.
 - c. Any water discharged as part of any dewatering operation shall be passed through filters, on-site settling basins, settling tank trucks, or other devices to

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ensure that no observable sediments or pollutants are carried into any Resource Area, street, drain or adjacent property.

- d. Measures shall be taken to ensure that no erosion or scouring shall occur on public or private property, or on the banks or bottoms of water bodies, as a result of dewatering operations.
- e. No dewatering shall occur within 50 feet of the pond.

Plantings

- 46. All vegetated buffer plantings shall be native and be installed and maintained according to the standards of the American Association of Nurserymen (AAN) and be maintained in perpetuity. **This shall be a continuing condition that survives the expiration of the permit and shall be included in any Certificate of Compliance as a continuing condition in perpetuity.**
- 47. At least 21 days prior to plant installation, the Applicant shall submit an invasive plant management plan to the Conservation Commission. The plan shall focus on invasive plant management for the vegetated buffer area. **The plan's recommendations shall be performed by the Applicant and the recommendations shall be a continuing condition that survives the expiration of the permit and shall be included in any Certificate of Compliance as a continuing condition in perpetuity.**
- 48. The Applicant shall monitor all approved plantings for a period of three years after plant installation. The Applicant shall maintain 100% survival of all installed plantings after the first and second year of monitoring, and maintain a 90% survival of all installed plantings after the third (final) year of monitoring.
- 49. The Applicant shall maintain 100% survival of the two approved replacement trees. **This shall be a continuing condition that survives the expiration of the permit and shall be included in any Certificate of Compliance as a continuing condition in perpetuity.**
- 50. The unmortared and dry laid stone wall approved to delineate the vegetated buffer area shall remain as unmortared and dry laid. **This shall be a continuing condition that survives the expiration of the permit and shall be included in any Certificate of Compliance as a continuing condition in perpetuity.**
- 51. A metal (or other permanent material) sign or marker shall be installed on or along the unmortared wall to demarcate the conservation area. Specifications and a plan for the sign shall be submitted to the Commission for approval 21 days prior to the construction of the wall. **The permanent sign or marker shall be a continuing condition that survives**

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the expiration of the permit and shall be included in any Certificate of Compliance as a continuing condition in perpetuity.

Chemicals

52. To avoid adding excess nitrogen runoff to Spy Pond, the Applicant shall only treat the lawn with slow release nitrogen fertilizer. Application of this fertilizer cannot occur in the summer, or after storm events. Lawn fertilizer shall only be applied twice a year, in spring and fall. No herbicides shall be used to treat invasive or unwanted plants. New plantings shall only be fertilized once, during the initial planting year. No pesticides or rodenticides shall be used to treat pest management issues within the Wetlands Buffer Zone. **This shall be a continuing condition that survives the expiration of the permit and shall be included in any Certificate of Compliance as a continuing condition.**

Pervious Surfaces

53. Pervious surfaces shown on the project plans shall be maintained and not be replaced by impervious surfaces. **This shall be a continuing condition that survives the expiration of the permit and shall be included in any Certificate of Compliance as a continuing condition.**
54. The approved deck shall be constructed to facilitate stormwater infiltration below so that it acts a pervious surface. **This shall be a continuing condition that survives the expiration of the permit and shall be included in any Certificate of Compliance as a continuing condition.**

Stormwater Management

55. The on-site infiltration system shall be maintained according to the manufacturer best management practices and operations/maintenance plan. The system shall be checked twice a year to ensure compliance with the best management practices and operations/maintenance plan. An annual report shall be submitted to the Conservation Commission and Town Engineer demonstrating that the operation and maintenance of the unit was performed per the manufacturer best management practices. **This shall be a continuing condition that survives the expiration of the permit and shall be included in any Certificate of Compliance as a continuing condition in perpetuity.**
56. The off-site Vortech unit shall be purchased and installed by the Applicant at the Applicant's expense. The Town of Arlington shall take over the maintenance of the unit per the conservations documented with the Town Engineer, only when the Town Engineer is satisfied with the function of the unit. The off-site unit shall be installed and accepted by Arlington Department of Public Works within 12 months of the issuance of the Order of Conditions.

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57. The Applicant must obtain a letter from the Town Engineer that the off-site stormwater unit was installed properly and accepted by the Arlington Department of Public Works, and send it to the Commission.

Retaining Wall

58. There shall be no retaining wall over the existing sewer easement. Instead, the property shall be gradually graded to meet the existing contours.

Dock

59. The dock on Lot 1/A must either be relocated to the property boundary between Lots 1/A and 2/B, or fully removed and abandoned before the Applicant named in this Order sells or conveys either Lot 1/A or Lot 2/B whichever occurs first.

ALAN Engineering, L.L.C.

110 Winn Street, Suite 209
Woburn, MA 01801
(781) 287-9789
alan.eng@verizon.net

July 2, 2020

Scott Seaver, President
Seaver Construction, Inc.
210 Lexington Street
Woburn, MA 01801

Ref: 47 Spy Pond Lane – Lot 2
Arlington, MA

Dear Mr. Seaver:

On June 9, 2020 ALAN Engineering observed the installation of the roof drain installation system on Lot 2 at 47 Spy Pond Lane in Arlington. The system location was excavated to a depth of approximately 9 inches below the design elevation of the bottom of the stone. This additional excavation was required to remove fill and organic material that is unsuitable for infiltration systems. Additional stone was added to the excavation to achieve the design elevations of the chambers. Per the design, filter fabric was placed along sides and top of the stone envelope, and the system was backfilled.

The system design specified 2 rows of 2 Cultec R-150XLHD chambers for a total of 4 chambers. The contractor substituted these chambers StormTech RC-310 chambers, which are 3½ feet shorter than Cultec chambers. To make up the difference the contractor installed 3 chambers in each row for a total of 6 chambers. The resulting system size is slightly larger than the original design required, and therefore, will meet the performance standards of the original design.

Enclosed is an as built plan of the system which includes Operation and Maintenance requirements.

Very truly yours,
ALAN Engineering, L.L.C.

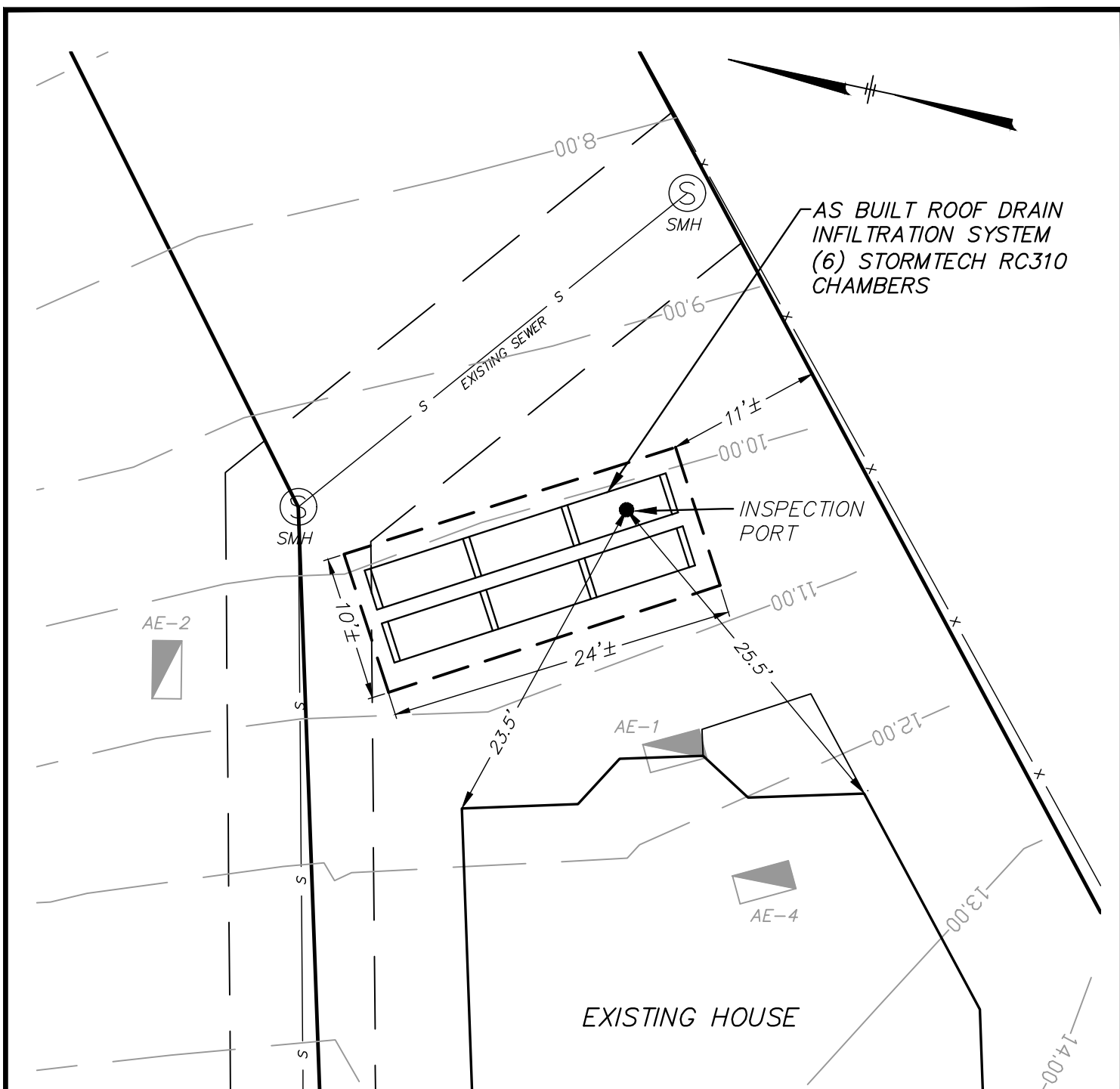


Mark A. Sleger, P.E.
Manager





Photo 1
Roof drain infiltration system – Lot 2 at 47 Spy Pond Lane, Arlington, MA



INFILTRATION SYSTEM OPERATION AND MAINTENANCE:

ROOF GUTTERS AND DOWNSPOUTS ARE TO BE KEPT FREE OF LEAF LITTER AND OTHER DEBRIS. THE SYSTEM IS TO BE INSPECTED DURING SIGNIFICANT RAINFALL EVENTS. DISCHARGE THROUGH THE DOWNSPOUT OVERFLOWS MAY INDICATE PIPE CLOGGING OR SYSTEM FAILURE. CLOGGING CAN BE CLEARED WITH EITHER HYDRO-FLUSHING OR MECHANICAL CLEANING. THE SURFACE ABOVE THE SYSTEMS SHALL BE KEPT FREE OF SHRUBS AND WOODY VEGETATION TO PREVENT ROOT DAMAGE TO THE CHAMBERS. THE SYSTEM IS TO BE INSPECTED ANNUALLY FOR SEDIMENT ACCUMULATION.

COPYRIGHT © 2020

**AS BUILT ROOF DRAIN
INFILTRATION SYSTEM**

47 SPY POND LANE (LOT 2)
ARLINGTON, MA

**ALAN
ENGINEERING, L.L.C.**

110 WINN STREET, SUITE 209
WOBURN, MA 01801

JOB NO. 1140

DWG NO

JULY 2, 2020

SHEET

SCALE: 1" = 10' 18 of 18

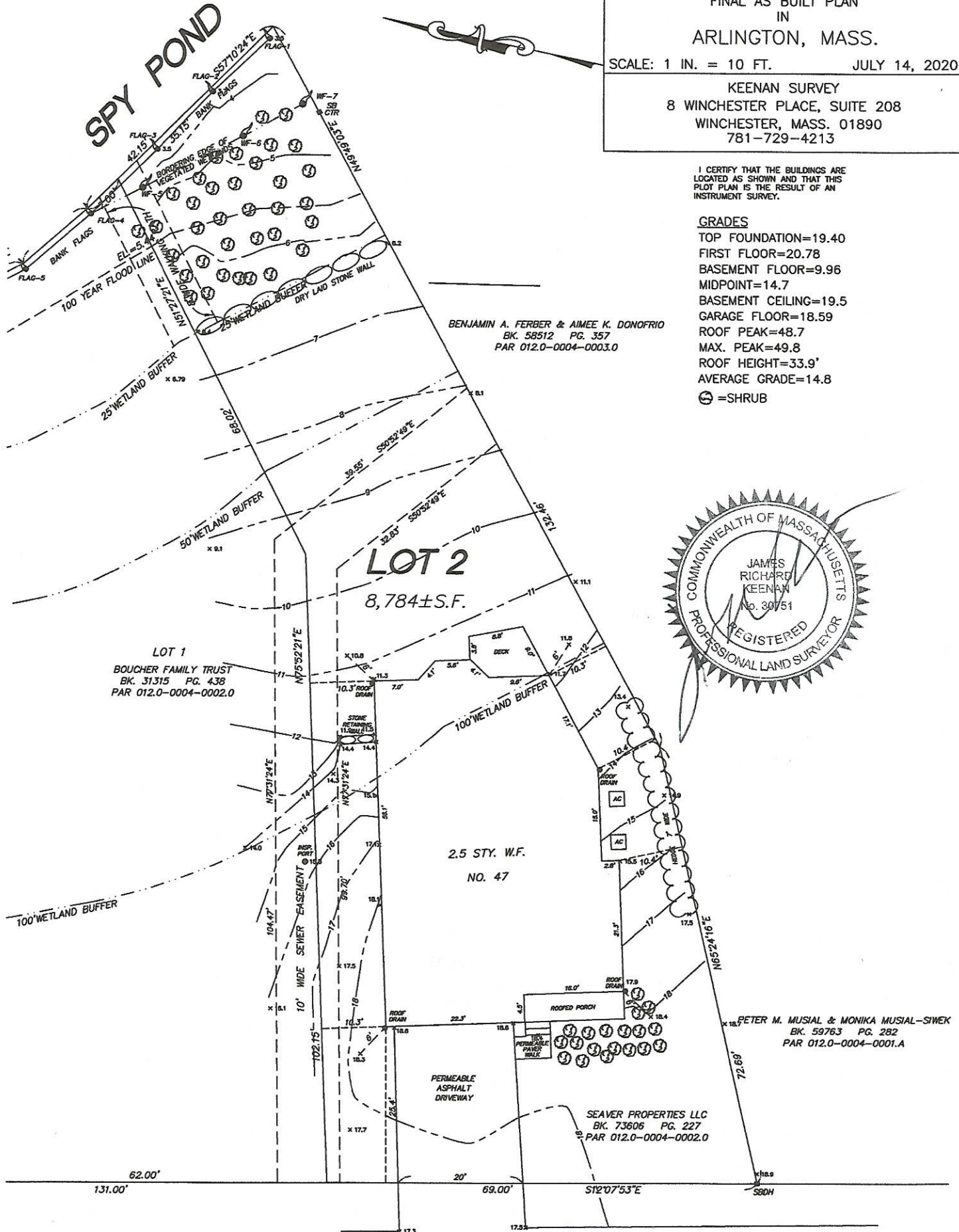
KEENAN SURVEY
8 WINCHESTER PLACE, SUITE 208
WINCHESTER, MASS. 01890
781-729-4213

I CERTIFY THAT THE BUILDINGS ARE
LOCATED AS SHOWN AND THAT THIS
PLOT PLAN IS THE RESULT OF AN
INSTRUMENT SURVEY.

GRADES

TOP FOUNDATION=19.40
FIRST FLOOR=20.78
BASEMENT FLOOR=9.96
MIDPOINT=14.7
BASEMENT CEILING=19.5
GARAGE FLOOR=18.59
ROOF PEAK=48.7
MAX. PEAK=49.8
ROOF HEIGHT=33.9'
AVERAGE GRADE=14.8

⊙ = SHRUB



SPY POND LANE

Environmental Monitoring: 47 Spy Pond Lane, Arlington, MA

Project Name: **Lot 1, Spy Pond Lane**
Project Address: 49 Spy Pond Lane
Project Contractors: Saver Construction
DEP File Number: 91-0318
Report Prepared By: Mary Trudeau, CPESC
Date of Report/Site Visit: Site inspection on January 6, 2022

On January 6, 2022, I inspected the condition of the buffer zone, and wetland, restoration areas at 47 Spy Pond Lane (aka Lot 2). The woody vegetation was initially planted in 2020, with additional plantings, as well as an invasive plant species management treatment done in 2021. The restoration on this lot included 278 square feet of vegetated wetland restoration, and an additional 875 square feet of 0-25 foot buffer zone restoration, for a total square footage of 1153 square feet of replanting with native vegetation. There are currently (29) viable shrubs within the planted restoration area, and a pre existing stand of Blackberry (Rubus spp.)



The non native and invasive plant treatments/removal was performed by Zach Navarro, of Essex Horticultural, a specialist in the treatment of non native and invasive plant species. Zach identified several target species within the

restoration area, including: Bittersweet Vine (*Celastrus orbiculate*); Garlic Mustard (*Allaria petiolata*); and Black Locust (*Robinia pseudoacacia*), and has performed an initial treatment. The treatment represents the first year of a three year program.

In general, the restoration area appears to have thrived. As noted above, approximately 29 shrubs, are viable within the planted area, and the surface of the restoration area is stabilized with a mix of herbs, grasses, and forbs. The following photos characterize the area:



The plants in this portion of the restoration are generally strong, with vigorous growth noted. The following photos show a Silky Dogwood (*Cornus amomum*) and a fruiting Witch Hazel (*Hamamelis virginiana*).



The photo below was taken in November of 2021, from the restoration area on Lot 1, looking easterly towards the Lot 2 restoration area. This photo shows the continuity between the two areas, as well as the dock, located on the lot line between the two properties.



I have done a rough inventory of the woody vegetation found within the buffer zone restoration area. The plant materials consist of the following:

Amelanchier canadensis – Shadbush
 Cornus amomum – Silky Dogwood
 Hamamelis virginiana – Witch Hazel
 Clethra alnifolia – Sweet Pepperbush
 Viburnum recognitum – Northern Arrowwood

The Order of Conditions allowed the construction of a single, dock at the Bank of Spy Pond (subject to a Waterways License) and this has been maintained over the past year. I did note that a small birch (*Betula populifolia*) had been cut at the junction of the dock and the Bank, but as the stump is intact, the Bank remains stable:



Summary:

Based on my inspection on January 6, 2022, as well as the occasional visits done over the past few months, and years, I believe that the restoration area on Lot 2 (47 Spy Pond Lane) is, both, viable and in compliance with the Order of Conditions issued for the project. The restoration area successfully hosts (29) woody shrubs, thus the density of planting is approximately one shrub per 40 square feet of planting area. This is equivalent to planting at 6-7 foot centers, and, is an acceptable threshold for the area. The surface of the restoration area is densely vegetated with a variety of herbs, grasses and forbs, and also contains a stand of naturally occurring *Rubus* spp (Blackberry) in the southeast corner of the restoration area. This stand was not considered in the density calculation for the restoration area.

The project proponent has also initiated the first of treatment of a three year protocol to manage the invasive and non native plants noted in past reports. In particular, this year the treatment included Bittersweet vine (*Celastrus orbiculate*); Garlic Mustard (*Alliaria petiolate*); and Black Locust (*Robinia pseudoacacia*).

As noted in past reports, the replication area is drawing wildlife, within the unmowed restoration area. I have seen numerous ducks; chipmunks, rabbits, squirrels and songbirds in the replication area. As it is one of the few thickets along this section of Bank, it appears to be a successful refuge for local wildlife seeking water, food and cover.

I have no recommendations for this restoration area, and consider the area to successfully meet the objectives of the Order of Conditions.



Mary Trudeau, Wetlands Consultant
January 7, 2021

Environmental Monitoring: 49 Spy Pond Lane, Arlington, MA

Project Name: **Lot 1, Spy Pond Lane**
Project Address: 49 Spy Pond Lane
Project Contractors: Saver Construction
DEP File Number: 91-0318
Report Prepared By: Mary Trudeau, CPESC
Date of Report/Site Visit: Site inspection on 7-21, 9- 15, and 10-3, 2022

Over the course of 2022, I inspected the condition of the buffer zone restoration area at 49 Spy Pond Lane (aka Lot 1). The woody vegetation was initially planted in 2020, with additional plantings, as well as an invasive plant species management treatments done in 2021 and 2022.



The non native and invasive plant treatments/removal was performed by Zach Navarro, of Essex Horticultural, a specialist in the treatment of non native and invasive plant species. As in 2021, Zach identified several target species within the restoration area, including: Bittersweet Vine (*Celastrus orbiculate*); Garlic Mustard (*Allaria petiolata*); and Black Locust (*Robinia pseudoacacia*), and has performed an second treatment. The treatment represents the second year of a three year program.

In general, the restoration area appears to have thrived. Approximately 40 shrubs, including (20) Low Bush Blueberry (*Vaccinium angustifolium*) are viable within the planted area, and the surface of the restoration area is stabilized with a mix of herbs, grasses, and forbs. Due to the drought conditions during the summer of 2022, approximately (8) shrubs were replaced, or replanted, within the restoration area. The following photos characterize the area:



As noted above, the landscape architect for the property included (20) Low Bush Blueberry shrubs in the planting plan. These plants are located below the stone

wall. These small shrubs remain in place, but have been regularly gnawed by rodents (rabbits?). In response, the contractor has added a few larger shrubs within the blueberry patch to add structure to the planting area, and perhaps diversity, in the rodent diets. These plants are located within the" area below the wall, shown below, and the stumps of the low bush blueberry were left in place:



The landscape plan for the project required the planting of (2) Sycamore trees along the lot line between 47 and 49 (lots 1 and 2) Spy Pond Lane. In my opinion, the trees failed to survive, and were replaced during 2022. After consultation with the Arlington Conservation Agent, David Morgan and the current homeowner, the dying Sycamores were replaced with multi stemmed River Birch (*Betula nigra*). The following photos show the replacement trees:



Summary:

Based on my inspections throughout the 2022 growing season I believe that the restoration area on Lot 1 (49 Spy Pond Lane) is, both, viable and in compliance with the Order of Conditions issued for the project. The 930 square foot restoration area successfully hosts woody shrubs and a wide variety of wetland herbs. Without consideration of the Low Bush Blueberry, the density of planting one shrub per 45 square feet of planting area, is an acceptable threshold for the area. As noted, the surface of the restoration area is densely vegetated with a variety of herbs, grasses and forbs. The project proponent has also continued the second treatment of a three year protocol to manage the invasive and non native plants noted in past reports. In particular, this year the treatment included Bittersweet vine (*Celastrus orbiculate*); Garlic Mustard (*Alliaria petiolate*); and Black Locust (*Robinia pseudoacacia*).

The most substantial growth was seen in the Shadbush, this summer. These shrubs have thrived within the restoration area, and tower over the other woody plants, as shown in the background of this photo:



As noted in past reports, the abundant fruit from the mulberry tree overhanging the replication area continues to draw wildlife, as does the thicket created by the new plantings within the unmowed restoration area. I have seen numerous ducks; chipmunks, rabbits, squirrels and songbirds in the replication area. As it is one of the few thickets along this section of Bank, it appears to be a successful refuge for local wildlife seeking water, food and cover.



Mary Trudeau, Wetlands Consultant
December 28, 2022

Environmental Monitoring: 47 Spy Pond Lane, Arlington, MA

Project Name: **Lot 1, Spy Pond Lane**
Project Address: 49 Spy Pond Lane
Project Contractors: Saver Construction
DEP File Number: 91-0318
Report Prepared By: Mary Trudeau, CPESC
Date of Report/Site Visit: Site inspection on July 21, September 15 and October 3, 2022

Over the course of the growing season, I inspected the condition of the buffer zone, and wetland, restoration areas at 47 Spy Pond Lane (aka Lot 2). The woody vegetation was initially planted in 2020, with additional plantings, as well as an invasive plant species management treatment done in 2021, and a second treatment done in 2022. The restoration on this lot included 278 square feet of vegetated wetland restoration, and an additional 875 square feet of 0-25 foot buffer zone restoration, for a total square footage of 1153 square feet of replanting with native vegetation. There are currently (29) viable shrubs within the planted restoration area, and a pre existing stand of Blackberry (Rubus spp.) Despite the drought conditions over the past summer, there were no losses of woody vegetation within the restoration areas on this lot. This is likely due to the shade cover that protects this portion of the site:



As in 2021, the non native and invasive plant treatments/removal was performed by Zach Navarro, of Essex Horticultural, a specialist in the treatment of non native and invasive plant species. Zach identified several target species within the restoration area, including: Bittersweet Vine (*Celastrus orbiculate*); Garlic Mustard (*Allaria petiolata*); and Black Locust (*Robinia pseudoacacia*). The treatment represents the second year of a three year program. Per the sale agreement with the current homeowner, the third year of treatment is the responsibility of the homeowner.

In general, the restoration area appears to have thrived. As noted above, approximately 29 shrubs, are viable within the planted area, and the surface of the restoration area is stabilized with a mix of herbs, grasses, and forbs. The plants in this portion of the restoration are generally strong, with vigorous growth noted.

The photo below was taken in November of 2021, from the restoration area on Lot 1, looking easterly towards the Lot 2 restoration area. This photo shows the continuity between the two areas, as well as the dock, located on the lot line between the two properties.



I have done a rough inventory of the woody vegetation found within the buffer zone restoration area. The plant materials consist of the following:

Amelanchier canadensis – Shadbush
Cornus amomum – Silky Dogwood
Hamamelis virginiana – Witch Hazel
Clethra alnifolia – Sweet Pepperbush
Viburnum recognitum – Northern Arrowwood

The Order of Conditions allowed the construction of a single, dock at the Bank of Spy Pond (subject to a Waterways License) and this structure has been maintained over the past year. Frost heaves in the winter of 2022 damaged the dock, and repairs to the pilings were made, after this photo was taken, and the dock is currently stable.



Summary:

Based on the occasional visits done over the past few months, and years, I believe that the restoration area on Lot 2 (47 Spy Pond Lane) is, both, viable and in compliance with the Order of Conditions issued for the project. The restoration area successfully hosts (29) woody shrubs, thus the density of planting is approximately one shrub per 40 square feet of planting area. This is equivalent to planting at 6-7 foot centers, and, is an acceptable threshold for the area. The surface of the restoration area is densely vegetated with a variety of herbs, grasses and forbs, and also contains a stand of naturally occurring *Rubus* spp (Blackberry) in the southeast corner of the restoration area. This stand was not considered in the density calculation for the restoration area.

The project proponent has also completed the second treatment of a three year protocol to manage the invasive and non native plants noted in past reports. In particular, this year the treatment included Bittersweet vine (*Celastrus orbiculate*); Garlic Mustard (*Alliaria petiolate*); and Black Locust (*Robinia pseudoacacia*).

As noted in past reports, the replication area is drawing wildlife, within the unmowed restoration area. I have seen numerous ducks; chipmunks, rabbits, squirrels and songbirds in the replication area. As it is one of the few thickets along this section of Bank, it appears to be a successful refuge for local wildlife seeking water, food and cover.

I have no recommendations for this restoration area, and consider the area to successfully meet the objectives of the Order of Conditions.



Mary Trudeau, Wetlands Consultant
December 28, 2022

Dana Tower

From: Mike Connolly <mikecons12@gmail.com>
Sent: Wednesday, January 18, 2023 3:51 PM
To: Dana Tower
Subject: Re: Conservation Certificate of Compliance

Hi Dana,

Confirmed that we have never used any chemicals on the lawn.

It'd be helpful if I could be there when they inspect the infiltration system, so I know where to check it in the future? Let me know if that's possible.

Thanks,
Mike

On Wed, Jan 18, 2023 at 2:42 PM Dana Tower <dtower@seaverconstruction.com> wrote:

Mike, we have been working with the Conservation Commission for over a year to get the Certificates of Compliance for both lots and there a few items we need to provide:

- Confirmation from you by email that you have not been using chemicals on your lawn.
- We have to install a sign on the rear stone wall that says, "Conservation Area" and inspect the infiltration system, so please expect one of our carpenters to do that in the next few weeks.

Thank you.

Dana Tower

Vice President, Residential Operations



215 Lexington Street, Level 2

Woburn, MA 01801

Office (Direct): 781-569-5519

Fax: 781-935-0048



GENERAL CONTRACTING • CONSTRUCTION MANAGEMENT

April 11, 2023

David Morgan
Town of Arlington Conservation Agent

Re: 47 Spy Pond Lane (Lots 1&2) – Infiltration Systems Operation and Maintenance

David, please see the Infiltration Systems Operation and Maintenance inspection data below and please note the design engineer, Mark Sleger, reviewed the simple inspection criteria with us and instructed us that we could perform the inspections.

Infiltration System Operation and Maintenance

<u>Date</u>	<u>Lots</u>	<u>Inspection Performed</u>
10/29/20	2	Inspected gutters, downspouts, and inspection ports for debris and sediment Report: no debris or sediment found
7/30/21	1&2	Inspected gutters, downspouts, and inspection ports for debris and sediment Report: no debris or sediment found
2/2/22	1&2	Inspected gutters, downspouts, and inspection ports for debris and sediment Report: no debris or sediment found

We thank you and the commission in advance for your cooperation in this matter.

Sincerely,

Dana Tower
Vice President, Residential Operations
Seaver Construction, Inc.

COMMERCIAL • RESIDENTIAL • INDUSTRIAL • INSTITUTIONAL

Seaver Construction

January 21, 2022

215 Lexington Street

Woburn, Mass. 01801

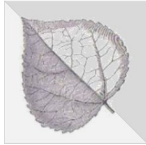
RE Lot 1 Spy Pond Lane Arlington

This letter is prepared to certify the as built conditions at Lot 1. The conditions comply with the Order of Conditions recorded on 5-21-20 in Book 74724 Page 387, Mass DEP # 091-0318.

The house location, driveway, and free standing wall have been constructed according to the approved site plan. Although I cannot certify as to species, the plantings have been completed.

James R. Keenan PLS





October 3, 2021

Mr. Tim Powderly
Seaver Construction, Inc.
215 Lexington Street
Woburn, MA 01801

Re: 47 Spy Pond Lane Plantings – Certificate of Compliance Request

Dear Mr. Powderly:

I am providing this letter of approval for the substantial completion of the Planting Plan dated November 7, 2018, Revised June 11, 2018, for residential property located at 47 Spy Pond Road in regard to the DEP Filing and Order of Conditions # 091-0138 and request for the Certificate of Compliance from the Arlington Conservation Commission. The DEP Form 8A has also been included for you to reference. My observations are listed below from my site visit on September 7, 2021.

1. All plants are thriving and are healthy.
2. Due to nursery availability, plant sizes and quantities vary from the plant schedule but appear to meet the design intent of the approved plans. I have provided a detail list of what has been provide vs. the plants specified on the planting schedule. I believe the heights and quantities provided do balance out to substantially meet the requirements of the plan.
3. The Low Bush Blueberry has been shifted from along the edge of water to in front of the stone wall.
4. Images of the plantings are attached.

Plant	Spec'd Qty.	Planted Qty.	Spec'd Height	Planted Height
Sweet Pepperbush (Clethra)	10	8	3'-4'	3'-4'
Arrowood Viburnum	10	7	3'-4'	3'-4'
Silky Dogwood	10	14	3'-4'	3'-7'
Witch Hazel	5	8	6'-8'	3'-5'
Shadbush/Serviceberry	3	4	4'-6'	5'-6'
Lowbush Blueberry	30	21	12" high	6"-8"
Sycamore	2	2	2 ½" Caliper	2 ½" Caliper

5. Various wild Roses are overgrowing some plants on the south side and should be contained as needed to help maintain the health of the new plants.
6. Weekly watering (up to 2x/week, equal to 1" of rainfall minimum) shall continue through end of October and commencing in spring of 2022 and throughout the one-year guarantee period.

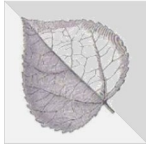
Please forward this letter along with the Form 8A to the Conservation Commission for final approval.

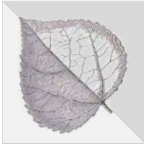
Regards,

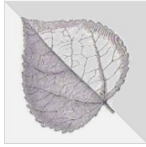
Erik Bednarek

Erik J. Bednarek PLA, #1508 CLARB

617-877-6805







Low Bush Blueberry



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 8A – Request for Certificate of Compliance

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

091-0318

Provided by DEP

A. Project Information

Important:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Upon completion of the work authorized in an Order of Conditions, the property owner must request a Certificate of Compliance from the issuing authority stating that the work or portion of the work has been satisfactorily completed.

1. This request is being made by:

Erik Bednarek

Name

P.O. B0x 139

Mailing Address

Mansfield

City/Town

617-877-6805

Phone Number

MA

State

02048

Zip Code

2. This request is in reference to work regulated by a final Order of Conditions issued to:

Seaver Construction / Scott Seaver

Applicant

September 14, 2016

Dated

091-0138

DEP File Number

3. The project site is located at:

47 Spy Pond Lane (Lot1/Lot A)

Street Address

12-4-2

Assessors Map/Plat Number

Arlington

City/Town

Parcel/Lot Number

4. The final Order of Conditions was recorded at the Registry of Deeds for:

47 Spy Pond Lane (Lot1/Lot A)

Property Owner (if different)

Middlesex South

County

73606

Book

227

Page

Certificate (if registered land)

5. This request is for certification that (check one):

☒ the work regulated by the above-referenced Order of Conditions has been satisfactorily completed.

☐ the following portions of the work regulated by the above-referenced Order of Conditions have been satisfactorily completed (use additional paper if necessary).

☐ the above-referenced Order of Conditions has lapsed and is therefore no longer valid, and the work regulated by it was never started.



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

WPA Form 8A – Request for Certificate of Compliance

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

091-0318

Provided by DEP

A. Project Information (cont.)

6. Did the Order of Conditions for this project, or the portion of the project subject to this request, contain an approval of any plans stamped by a registered professional engineer, architect, landscape architect, or land surveyor?

☒ Yes

If yes, attach a written statement by such a professional certifying substantial compliance with the plans and describing what deviation, if any, exists from the plans approved in the Order.

☐ No

B. Submittal Requirements

Requests for Certificates of Compliance should be directed to the issuing authority that issued the final Order of Conditions (OOC). If the project received an OOC from the Conservation Commission, submit this request to that Commission. If the project was issued a Superseding Order of Conditions or was the subject of an Adjudicatory Hearing Final Decision, submit this request to the appropriate DEP Regional Office (see <http://www.mass.gov/eea/agencies/massdep/about/contacts/find-the-massdep-regional-office-for-your-city-or-town.html>).

ADDENDUM A TO PURCHASE AND SALE AGREEMENT

1. Prior Agreements Void.

BUYER and SELLER acknowledge and agree that this Agreement constitutes their entire agreement concerning the premises and that, after execution of this Agreement by all parties, all prior agreements (including, but not limited to, the so-called "Offer to Purchase"), warranties and representations (if any), whether made orally or in writing, by them concerning the premises shall be void and of no further effect whatsoever

2. Any matter or practice arising under or relating to this agreement which is the subject of a title standard or practice standard of the Massachusetts Real Estate Bar Association shall be governed by such standard to the extent practicable.
3. If BUYER records this Agreement or a copy thereof then this Agreement shall at the SELLER's option terminate and all deposits hereunder shall be paid to the Seller and become the Seller's property as its sole and exclusive remedy.
4. All references herein or elsewhere to the "Seller's actual knowledge" or "to the best of the Sellers knowledge" or words of similar import are agreed to mean the Sellers current actual knowledge and are not intended to imply or create any obligation for the Seller to take additional actions or more further inquiry with regard to any topics contained within this Agreement or elsewhere, including but not limited to, documents, to be executed in conjunction with the closing.
5. Prior to closing, and within 7 days for Seller notifying Buyer that the property is completed, the Buyer shall have the option of having the property inspected by a professional home inspector. Said inspector shall be for the sole purpose of confirming the property was built in accordance with specifications, there are no material defects and to create a mutually agreeable punch list. Should the inspection identify a material defect or material deviation from specifications, and seller is unable to rectify the situation then the agreement may be terminated. Seller shall use best efforts to have property completed by July 6, 2020.
6. In addition to the plans and specification attached hereto, the Seller as a part of the sale the seller agrees to make the following additions to said plans and specifications:

- a) Wet bar to be added to the 3rd floor on the other side of the wall;
- b) Shower to be added to the lower level bath (no bathtub; walk, with room for small chair or build in bench, built in storage. Sink plumbing to be added to the outside bathroom wall for future wet bar;
- c) Laundry hook ups added to lower lever

- d) Wall between bedrooms 2 & 3 as referenced on plans to be removed to create a single large room. Keep two doors to bathroom to allow for future conversion back to 2 bedrooms
- e) Recessed power outlet and HDMI ports added to bedrooms 2/3 (between windows and side of house in bedroom 2, top floor bedroom (between 2 windows on the side of the house) and on third floor deck (on middle of the wall that doesn't have the door)- mimicking what is being built into 1st floor family room.

7. Buyers shall be permitted to select paint colors.

8. The SELLER agrees to deliver to the BUYER such affidavits, documents and certificates as may be customarily and reasonably requested by and prepared by the Buyer's counsel, including but not limited to, (i) an affidavit stating that SELLER is not a foreign person under the Internal Revenue Code, Section 1445; (ii) an affidavit to BUYER and BUYER'S title insurance company certifying that there are no parties in possession of the Premises and that no work has been done on the Premises which would entitle anyone to claim a mechanic's or materialman's lien with respect to the Premises; (iii) a Internal Revenue Code, 1099S Form; and (iv) a UFFI Certificate, in a form satisfactory to BUYER.

9. All notices required or permitted to be given hereunder shall be in writing and delivered by facsimile or electronic mail transmission, in the case of SELLER to the SELLER'S attorney: Deborah Nowell, Esq, 1193 Mass Ave, Arlington, MA 02476 (781) 483 3880 Tel No., (781) 483 3882 Fax. debbie@nowellesq.com and in the case of BUYER to BUYER'S attorney: George M. Megaloudis, Simple Title Closing & Escrow, PLLC, 99 Rosewood Drive, Suite 260, Danvers, MA 01923, Tel. No. (978) 539-7500, Fax No. (978) 774-0196; email: megaloudis@simpletitle.us

10. At or prior to closing, SELLER shall deliver to BUYER a Certificate of Occupancy for the premises, duly issued by the Building Department of the Town of Arlington, Massachusetts; all manufacturers warranties and manuals in SELLER's possession for the fixtures and appliance therein; all keys and garage door openers.

11. KEYS. Seller shall deliver to Buyer at closing all keys, access cards, electronic devices and security codes for all for all doors, mail boxes, garages, gates, windows and entrances to the Premises and all structures located thereon.

12. LENDER. Buyer and Seller acknowledge that they have been informed that Buyer's Attorneys may be asked to provide legal services on behalf of the mortgage lender for the mortgage loan closing in addition to the representation of Buyer in this transaction and that both Buyer and Seller have no objection to and consent to this dual representation of Buyer and Lender by Buyer's attorney.

13. Paragraph 10 of this agreement shall be construed to apply to matters affecting title, the physical condition of the premises and compliance of the Premises with

municipal, county, state or federal codes, ordinances, statutes or regulations concerning the premises and to which the premises are subject under the terms of this agreement. Paragraph 10 shall not, however, be construed to excuse Seller for reasons such inconvenience or other such delays in performance hereunder.

14. **CONDITION OF THE PREMISES.** Notwithstanding any other provision of this Agreement, the Premises shall be delivered to Buyer in a broom clean condition, free of all trash and debris, with the grounds in a neat and clean condition and all appliances and all systems servicing the Premises fully functioning and in brand new condition. Until the delivery of the deed, Seller shall continue to care, maintain, insure and service the Premises and its appurtenances at no less than the same level of effort and expense as Seller has previously employed.

15. **RISK OF LOSS.** Seller shall bear the sole risk of loss in the event of a fire or other casualty occurs on the Premises and shall immediately notify Buyer if a fire or other casualty occurs on the Premises. In the case of a fire affecting the Premises, or a casualty costing more than \$50,000.00 to repair, Buyer may cancel this agreement without recourse in which event all deposits shall be immediately refunded to Buyer without deduction.

16. **REPRESENTATIONS.** It shall be a condition of Buyer's obligation to purchase the Premises that as of the Buyer's acceptance of the deed each of the following statement is presently true and shall be true at the time for performance:

- (a) all appliances, fixtures, heating and/or air conditioning systems, security systems, cable/satellite systems and other equipment located within the Premises and that are being sold to the Buyer are owned by Seller and are not *rented or leased*, or subject to a *payment plan* or *security agreement*.
- (b) there are no contracts or agreements with any service provider that will remain in effect after the delivery of the deed to provide, service or maintain any fixtures, equipment or systems located on or within the Premises (including the grounds). Such contracts include but are not limited to contracts providing oil or fuel, termite or pest control, security or fire control systems, and gardening or landscaping services.
- (c) Seller has not received any written notice or communication that any portion of the Premises or condition affecting the Premises may violate any law, code, rule or regulation or is subject to a claim of adverse possession or use by another person.
- (d) no underground fuel tanks are presently located on Premises and none have previously existed or removed.

Seller represents that each of the foregoing statements is true. Seller shall immediately notify Buyer if any of the foregoing statements are no longer true. These representations shall survive closing.



DS
SSSPL

17. ACCESS. The BUYER and their agents shall have the right of access to the premises, at Buyers' sole risk and expense, prior to the time specified for delivery of the SELLER's deed for the purpose of inspecting the condition of said premises or showing the premises to prospective mortgage lenders. Said right of access shall be exercised only after reasonable notice thereof to the SELLER and in the presence of SELLER or a Realtor, identified in the Purchase and Sale Agreement. Nothing herein shall prevent Buyer from conducting one "final walkthrough" within 24 hours of closing as set forth in section 4 and/or as may be extended. SELLER will provide BUYER, its lenders and designees (including appraisers and surveyors) with access to the premises upon reasonable notice to SELLER or his agent so as to allow BUYER to inspect, appraise, measure, or design the premises.

18. TITLE REQUIREMENTS. It is understood and agreed by the parties that the Premises shall not be in compliance or conformity with the title provisions (Cause 4) of this Agreement unless:

- a. all buildings, structures and improvements on said Premises (including, but not limited to any driveway(s), fences, and any garage(s)) and all means of access to said Premises shall be wholly within the lot lines of said Premises and shall not encroach upon or under any property not being conveyed herein.
- b. no building, structure, improvement, or property of any kind encroaches upon or under said Premises from other Premises (excluding sewer easement).
- c. said Premises abut a public way, duly laid out or accepted as such by the town or city in which said Premises are located.
- d. all easements, agreements, restrictions and reservations of record have been approved by the Buyer.
- e. any deed to be given by Seller to Buyer shall bear Seller's original signature. It is expressly agreed by the parties that deed signed under a power of attorney shall not comply with the title requirements of this agreement.

It shall be a condition of Buyer's obligation to purchase the Premises that as of the Buyer's acceptance of the deed each of the following statements are presently true and shall be true at the time for performance.

19. The Buyer and Seller acknowledge that mortgage regulations effective October 3, 2015, may affect the ability to close on the date and time specified in this e purchase and sale agreement. As such, in the event Buyer's mortgage lender is unable to close on the closing date set forth in the executed Purchase & Sale Agreement, the closing date may be extended upon written notice from Buyer to Seller for a period not to exceed eight business days, time remaining of the essence. Notwithstanding specification of the extended closing date in Buyer's written notice, the Buyer retains the right to further extend the closing date by subsequent written notice, provided the extended closing date

does not exceed the eighth business day following the original closing date set forth in the Purchase & Sale Agreement.

20. All utility readings (water, sewer, fuel value, etc., as applicable) shall be conducted 10 days prior to the specified closing date. Seller working together with the listing agent (if applicable) shall ensure all readings and adjusted are established on or prior to the 10th day before the closing, and shall be forwarded to the closing attorney as soon as possible, but in no event later than the 10th day. The settlement statement shall reflect payment and adjustments as of the reading date, with the exception of the real estate tax proration, which shall be made as of the closing date. There shall be no further adjustment between the parties unless otherwise agreed. Notwithstanding the above, the parties may agree to estimate the fuel adjustment as of the closing date, employing any reasonable method to determine same.

21 Buyer is aware that Seller will record a restrictive covenant, prior to closing that saying any pervious surfaces shown on the plan ("Proposed Site Plan in Arlington, Mass." showing Lot 2 by Keenan Survey of Winchester, MA, scale 1:10, dated March 7, 2019, stamped by James Richard Keenan, P.L.S #30751. for Lot 2 and "Proposed Site Plan in Arlington, Mass." showing Lot 1 by Keenan Survey of Winchester, MA, scale 1:10, dated November 7, 2018, revised June 11, 2019, stamped by James Richard Keenan, P.L.S #30751. for Lot 1) outside of the Commission's jurisdiction shall remain pervious. The restrictive covenant shall benefit and be enforceable by the Conservation Commission and the Town of Arlington

22 Prior to closing the Seller will relocate the dock so that 50% is located on this property and 50% is on Lot 1, with ownership divided between the two properties.

23 The time for performance in Paragraph 8 of the main body of this Agreement shall be extended for an Excused Delay which materially affects the Buyer's ability to close or obtain financing, or some other such cause that prevents either party from fulfilling its obligations under the Agreement due to an Excused Delay, unless Buyer and Seller mutually agree otherwise. As used herein an Excused Delay means a delay preventing the closing to occur caused by an Act of God, declared state of emergency or public health emergency, either party becoming ill, pandemic (specifically including COVID-19), government mandated quarantine or travel ban, war, acts of terrorism, and/or order of government or civil or military authorities. The Time for Performance shall expire at the earlier of 10 business days after the end of the Excused Delay or 30 days after the Closing Date. In the event that the closing cannot occur during the 30-day extension, unless the Buyer and Seller agree to further extend the closing, the Agreement shall terminate, and all deposits paid under Paragraph 7 shall be returned to the Buyer without deduction. Buyer shall have the right to sooner terminate the Agreement if Buyer no longer qualifies for the mortgage they applied for or if Buyer's lender withdraws or terminates the mortgage commitment.

24 As a condition of the sale seller will be responsible for obtaining certificates of compliance for the outstanding orders of condition. Should the orders not be released

before closing, but all requisite work is completed, the buyer and seller agree to close with mutually agreeable holdback. Should the conservation commission issue a partial certificate of compliance, requiring the 3 year period for plant maintenance Buyer shall proceed with the closing with the Seller to have responsibility for final sign off. Seller shall annually monitor the identified area for invasive species for the three years as required by the order of conditions. With regard to any necessary plant replacements – Seller agrees to replace any plants year 1, Seller and Buyer agree to split the cost 50/50 year 2, and Buyer pays cost for replacement year 3. This provision shall survive the closing.

- (25) Seller represents and warrants that the storm water operating and maintenance plan will consist of ensuring that gutters and downspouts are clear, and will not require a professional inspection. In the event that the storm water operating and maintenance plan differs from this and results in ongoing expenses to Buyer, then at the time of closing, Seller shall credit Buyer 5x the estimated annual expenses associated with the same.

Michael Connolly
dotloop verified
05/27/20 11:04 AM EDT
T17H-JYOW-GVU7-YE4G

BUYER:

DocuSigned by:
5/27/2020
Scott Seamer - Seamer Properties, LLC
SELLER: 1953214F0549A...

BUYER:

SELLER:

A photograph of a stone wall made of various sized rocks, some light-colored and some dark. The wall is set in a landscape with patches of snow and dry grass. A green rectangular sign with white text is placed on the wall. To the right, a red and orange tool, possibly a shovel or a probe, lies on a rock. The background shows more snow and some bare branches.

CONSERVATION AREA



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 8A – Request for Certificate of Compliance
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

91-317
Provided by DEP

A. Project Information

Important:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Upon completion of the work authorized in an Order of Conditions, the property owner must request a Certificate of Compliance from the issuing authority stating that the work or portion of the work has been satisfactorily completed.

1. This request is being made by:

Scott Seaver, Seaver Construction

Name

215 Lexington Street

Mailing Address

Woburn

City/Town

MA

State

01801

Zip Code

781 935 0130

Phone Number

2. This request is in reference to work regulated by a final Order of Conditions issued to:

Seaver Construction

Applicant

May 12, 2020

Dated

91-317

DEP File Number

3. The project site is located at:

Lot 1: 49 Spy Pond Lane

Street Address

Arlington

City/Town

12-4-2

Assessors Map/Plat Number

Parcel/Lot Number

4. The final Order of Conditions was recorded at the Registry of Deeds for:

Seaver Construction

Property Owner (if different)

Middlesex

County

73606

Book

227

Page

Certificate (if registered land)

5. This request is for certification that (check one):

- ☐ the work regulated by the above-referenced Order of Conditions has been satisfactorily completed.
☒ the following portions of the work regulated by the above-referenced Order of Conditions have been satisfactorily completed (use additional paper if necessary).

All construction related to the dwelling; subsurface storm water management system; and planting of the buffer zone restoration area is complete. The requisite Vortech unit has been installed and approved by the Town of Arlington engineering department. Remaining activities include the remainder of the three year monitoring period for the restoration area plantings.

- ☐ the above-referenced Order of Conditions has lapsed and is therefore no longer valid, and the work regulated by it was never started.



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

WPA Form 8A – Request for Certificate of Compliance

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

91-317

Provided by DEP

A. Project Information (cont.)

6. Did the Order of Conditions for this project, or the portion of the project subject to this request, contain an approval of any plans stamped by a registered professional engineer, architect, landscape architect, or land surveyor?

☒ Yes

If yes, attach a written statement by such a professional certifying substantial compliance with the plans and describing what deviation, if any, exists from the plans approved in the Order.

☐ No

B. Submittal Requirements

Requests for Certificates of Compliance should be directed to the issuing authority that issued the final Order of Conditions (OOC). If the project received an OOC from the Conservation Commission, submit this request to that Commission. If the project was issued a Superseding Order of Conditions or was the subject of an Adjudicatory Hearing Final Decision, submit this request to the appropriate DEP Regional Office (see <http://www.mass.gov/eea/agencies/massdep/about/contacts/find-the-massdep-regional-office-for-your-city-or-town.html>).



TOWN OF ARLINGTON
Department of Public Works
51 Grove Street
Arlington, Massachusetts 02476
Office (781) 316-3320 Fax (781) 316-3281

Engineering Division

Wednesday, December 01, 2021

Seaver Construction, Inc.
Dana Tower
215 Lexington Street, Level 2
Woburn, MA 01801

RE: Offsite stormwater Vortech unit – 47 Spy Pond Lane

Mr. Tower,

Please accept this correspondence from the DPW Engineering Division as notification to you and the Arlington Conservation Commission as confirmation that the off-site stormwater unit conditioned with the 47 Spy Pond Lane Notice of Intent has been installed properly and a suitable as-built plan has been provided by Seaver Construction.

The as-built plan, with elevation data, was reviewed by the Engineering Division. In conjunction with staff field observations it was determined that the installation of the unit was in compliance with the approved design plans. Additionally, the Department of Public Works agrees to acceptance of the stormwater unit and the operation and maintenance requirements. As such, the Engineering Division acknowledges condition #59 of the Conservation Order of Conditions associated with the Notice of Intent for 47 Spy Pond Lane has been met.

Regards,

Wayne A. Chouinard, P.E.
Town Engineer

cc: Conservation Commission (by electronic mail)

SPY POND

LOT 1
8,456±S.F.


2.5 STY. W.F.
NO. 49

SPY POND LANE

GRADES

TOP FOUNDATION=18.4
FIRST FLOOR=19.8
BASEMENT FLOOR=10.7
MIDPOINT=14.6
BASEMENT CEILING=18.5
GARAGE FLOOR=18.2
ROOF PEAK=50.2
MAX. PEAK=50.3
ROOF HEIGHT=34.9
AVERAGE GRADE=15.3

LEGEND

STY. STORY
W.F. WOOD FRAME
CONC. CONCRETE
S.F. SQUARE FEET
H HEIGHT
 SHRUB

I CERTIFY THAT THE BUILDINGS ARE
LOCATED AS SHOWN AND THAT THIS
PLOT PLAN IS THE RESULT OF AN
INSTRUMENT SURVEY.

71 of 188

ASBUILT PLAN OF LAND
IN
ARLINGTON, MASS.

SCALE: 1 IN. = 10 FT.

NOVEMBER 8, 2021

KEENAN SURVEY
8 WINCHESTER PLACE, SUITE 208
WINCHESTER, MASS. 01890
781-729-4213

Environmental Monitoring: 49 Spy Pond Lane, Arlington, MA

Project Name: **Lot 1, Spy Pond Lane**
Project Address: 49 Spy Pond Lane
Project Contractors: Saver Construction
DEP File Number: 91-0318
Report Prepared By: Mary Trudeau, CPESC
Date of Report/Site Visit: Site inspection on 7-21, 9- 15, and 10-3, 2022

Over the course of 2022, I inspected the condition of the buffer zone restoration area at 49 Spy Pond Lane (aka Lot 1). The woody vegetation was initially planted in 2020, with additional plantings, as well as an invasive plant species management treatments done in 2021 and 2022.



The non native and invasive plant treatments/removal was performed by Zach Navarro, of Essex Horticultural, a specialist in the treatment of non native and invasive plant species. As in 2021, Zach identified several target species within the restoration area, including: Bittersweet Vine (*Celastrus orbiculate*); Garlic Mustard (*Allaria petiolata*); and Black Locust (*Robinia pseudoacacia*), and has performed an second treatment. The treatment represents the second year of a three year program.

In general, the restoration area appears to have thrived. Approximately 40 shrubs, including (20) Low Bush Blueberry (*Vaccinium angustifolium*) are viable within the planted area, and the surface of the restoration area is stabilized with a mix of herbs, grasses, and forbs. Due to the drought conditions during the summer of 2022, approximately (8) shrubs were replaced, or replanted, within the restoration area. The following photos characterize the area:



As noted above, the landscape architect for the property included (20) Low Bush Blueberry shrubs in the planting plan. These plants are located below the stone

wall. These small shrubs remain in place, but have been regularly gnawed by rodents (rabbits?). In response, the contractor has added a few larger shrubs within the blueberry patch to add structure to the planting area, and perhaps diversity, in the rodent diets. These plants are located within the" area below the wall, shown below, and the stumps of the low bush blueberry were left in place:



The landscape plan for the project required the planting of (2) Sycamore trees along the lot line between 47 and 49 (lots 1 and 2) Spy Pond Lane. In my opinion, the trees failed to survive, and were replaced during 2022. After consultation with the Arlington Conservation Agent, David Morgan and the current homeowner, the dying Sycamores were replaced with multi stemmed River Birch (*Betula nigra*). The following photos show the replacement trees:



Summary:

Based on my inspections throughout the 2022 growing season I believe that the restoration area on Lot 1 (49 Spy Pond Lane) is, both, viable and in compliance with the Order of Conditions issued for the project. The 930 square foot restoration area successfully hosts woody shrubs and a wide variety of wetland herbs. Without consideration of the Low Bush Blueberry, the density of planting one shrub per 45 square feet of planting area, is an acceptable threshold for the area. As noted, the surface of the restoration area is densely vegetated with a variety of herbs, grasses and forbs. The project proponent has also continued the second treatment of a three year protocol to manage the invasive and non native plants noted in past reports. In particular, this year the treatment included Bittersweet vine (*Celastrus orbiculate*); Garlic Mustard (*Alliaria petiolate*); and Black Locust (*Robinia pseudoacacia*).

The most substantial growth was seen in the Shadbush, this summer. These shrubs have thrived within the restoration area, and tower over the other woody plants, as shown in the background of this photo:



As noted in past reports, the abundant fruit from the mulberry tree overhanging the replication area continues to draw wildlife, as does the thicket created by the new plantings within the unmowed restoration area. I have seen numerous ducks; chipmunks, rabbits, squirrels and songbirds in the replication area. As it is one of the few thickets along this section of Bank, it appears to be a successful refuge for local wildlife seeking water, food and cover.



Mary Trudeau, Wetlands Consultant
December 28, 2022

Environmental Monitoring: 47 Spy Pond Lane, Arlington, MA

Project Name: **Lot 1, Spy Pond Lane**
Project Address: 49 Spy Pond Lane
Project Contractors: Saver Construction
DEP File Number: 91-0318
Report Prepared By: Mary Trudeau, CPESC
Date of Report/Site Visit: Site inspection on November 12, 2021

On November 12, 2021, I inspected the condition of the buffer zone restoration area at 49 Spy Pond Lane (aka Lot 1). The woody vegetation was initially planted in 2020, with additional plantings, as well as an invasive plant species management treatment done in 2021.



The non native and invasive plant treatments/removal was performed by Zach Navarro, of Essex Horticultural, a specialist in the treatment of non native and invasive plant species. Zach identified several target species within the restoration area, including: Bittersweet Vine (*Celastrus orbiculate*); Garlic Mustard (*Allaria petiolata*); and Black Locust (*Robinia pseudoacacia*), and has performed an initial treatment. The treatment represents the first year of a three year program.

In general, the restoration area appears to have thrived. Approximately 40 shrubs, including (20) Low Bush Blueberry (*Vaccinium angustifolium*) are viable within the planted area, and the surface of the restoration area is stabilized with a mix of herbs, grasses, and forbs. The following photos characterize the area:



As noted above, the landscape architect for the property included (20) Low Bush Blueberry shrubs in the planting plan. These plants are located below the stone wall. As the leaves have fallen from these small plants, they did not photograph well, but appeared viable at this November inspection. These plants are located within the recently “raked” area below the wall, shown below::



I have done an inventory of the woody vegetation found within the buffer zone restoration area. The plant materials consist of the following:

- (3) *Amelanchier canadensis* – Shadbush
- (3) *Cornus amomum* – Silky Dogwood
- (5) *Hamamelis virginiana* – Witch Hazel
- (5) *Clethra alnifolia* – Sweet Pepperbush
- (3) *Viburnum recognitum* – Northern Arrowwood
- (1) *Acer negundo* – Box Elder (indigenous)
- (20) *Vaccinium angustifolia* – Low Bush Blueberry

The buffer zone restoration area is located between the Bank of Spy Pond, and a hand laid stone wall, set at the 25 foot buffer zone. The stone wall was constructed without mortar, and it was apparent that animals have begun to utilize the wall for habitat. The following photo shows a burrow/crevice within a portion of the wall, where gravel has been pulled out of the wall and left at the new hole:



The landscape plan for the project required the planting of (2) Sycamore trees along the lot line between 47 and 49 (lots 1 and 2) Spy Pond Lane. In my opinion, the trees should be replaced. Failure to water was an issue in 2020, causing systemic failure within both trees. While the trees have managed to survive, I am not convinced that they are viable in the long term. The following photos show the condition of these trees, and the irregular leafing pattern that has resulted from the vascular damage that occurred in 2020.



The Order of Conditions allowed the construction of a single, dock at the Bank of Spy Pond (subject to a Waterways License) and this has been maintained over the past year. . I did note that a small birch (*Betula populifolia*) had been cut at the junction of the dock and the Bank, but as the stump is intact, the Bank remains stable. I spoke with the resident at 47 Spy Pond Lane, and she noted that the tree had suffered significant damage during a wind event in the fall of 2021, and that the cutting was done to remove the remaining tree trunk:



Summary:

Based on my inspection on November 12, as well as the occasional visits done over the past few months, I believe that the restoration area on Lot 1 (49 Spy Pond Lane) is, both, viable and in compliance with the Order of Conditions issued for the project. The 930 square foot restoration area successfully hosts (20) woody shrubs, plus an additional (20) ground cover shrubs (the Low Bush Blueberry). Without consideration of the Low Bush Blueberry, the density of planting one shrub per 45 square feet of planting area, is an acceptable threshold for the area. The surface of the restoration area is densely vegetated with a variety of herbs, grasses and forbs. The project proponent has also initiated the first of treatment of a three year protocol to manage the invasive and non native plants noted in past reports. In particular, this year the treatment included Bittersweet vine (*Celastrus orbiculate*); Garlic Mustard (*Alliaria petiolate*); and Black Locust (*Robinia pseudoacacia*).

As noted in past reports, the abundant fruit from the mulberry tree overhanging the replication area is drawing wildlife, as is the thicket created by the new plantings within the unmowed restoration area. I have seen numerous ducks; chipmunks, rabbits, squirrels and songbirds in the replication area. As it is one of the few thickets along this section of Bank, it appears to be a successful refuge for local wildlife seeking water, food and cover.

My only comment on the plantings required in the Order of Conditions concerns the (2) Sycamores planted along the property line between Lots 1 and 2. I believe that the trees should have been replaced, as they are not exhibiting appropriate foliage and leafing patterns. Branching at the top of each tree has failed to survive, and it is not clear to me that these trees meet the requirements of health and vigor.

Mary Trudeau

Mary Trudeau, Wetlands Consultant
November 15, 2021

Seaver Construction

January 21, 2022

215 Lexington Street

Woburn, Mass. 01801

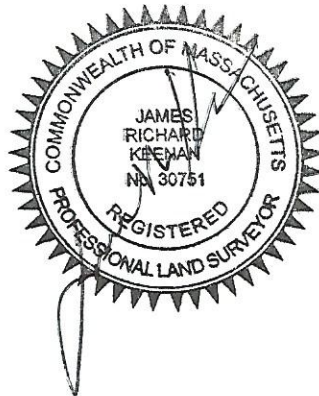
RE Lot 2 Spy Pond Lane Arlington

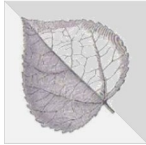
This letter is prepared to certify the as built conditions at Lot 2. The conditions comply with the Order of Conditions recorded on 5-21-20 in Book 74724 Page 411, Mass DEP # 091-0317.

The stone retaining wall that was originally proposed to cross over the lot line onto Lot 1 stops at the sewer easement and does not encroach upon it.

The house location, driveway, and free standing wall have been constructed according to the approved site plan. Although I cannot certify as to species, the plantings have been completed.

James R. Keenan PLS





October 3, 2021

Mr. Tim Powderly
Seaver Construction, Inc.
215 Lexington Street
Woburn, MA 01801

Re: 47 Spy Pond Lane Plantings – Certificate of Compliance Request

Dear Mr. Powderly:

I am providing this letter of approval for the substantial completion of the Planting Plan dated November 7, 2018, Revised June 11, 2018, for residential property located at 47 Spy Pond Road in regard to the DEP Filing and Order of Conditions # 091-0138 and request for the Certificate of Compliance from the Arlington Conservation Commission. The DEP Form 8A has also been included for you to reference. My observations are listed below from my site visit on September 7, 2021.

1. All plants are thriving and are healthy.
2. Due to nursery availability, plant sizes and quantities vary from the plant schedule but appear to meet the design intent of the approved plans. I have provided a detail list of what has been provide vs. the plants specified on the planting schedule. I believe the heights and quantities provided do balance out to substantially meet the requirements of the plan.
3. The Low Bush Blueberry has been shifted from along the edge of water to in front of the stone wall.
4. Images of the plantings are attached.

Plant	Spec'd Qty.	Planted Qty.	Spec'd Height	Planted Height
Sweet Pepperbush (Clethra)	10	8	3'-4'	3'-4'
Arrowood Viburnum	10	7	3'-4'	3'-4'
Silky Dogwood	10	14	3'-4'	3'-7'
Witch Hazel	5	8	6'-8'	3'-5'
Shadbush/Serviceberry	3	4	4'-6'	5'-6'
Lowbush Blueberry	30	21	12" high	6"-8"
Sycamore	2	2	2 ½" Caliper	2 ½" Caliper

5. Various wild Roses are overgrowing some plants on the south side and should be contained as needed to help maintain the health of the new plants.
6. Weekly watering (up to 2x/week, equal to 1" of rainfall minimum) shall continue through end of October and commencing in spring of 2022 and throughout the one-year guarantee period.

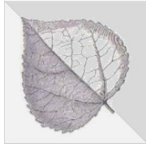
Please forward this letter along with the Form 8A to the Conservation Commission for final approval.

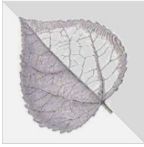
Regards,

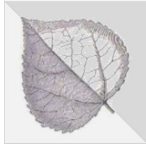
Erik Bednarek

Erik J. Bednarek PLA, #1508 CLARB

617-877-6805







Low Bush Blueberry



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 8A – Request for Certificate of Compliance

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

091-0318

Provided by DEP

A. Project Information

Important:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Upon completion of the work authorized in an Order of Conditions, the property owner must request a Certificate of Compliance from the issuing authority stating that the work or portion of the work has been satisfactorily completed.

1. This request is being made by:

Erik Bednarek

Name

P.O. B0x 139

Mailing Address

Mansfield

City/Town

617-877-6805

Phone Number

MA

State

02048

Zip Code

2. This request is in reference to work regulated by a final Order of Conditions issued to:

Seaver Construction / Scott Seaver

Applicant

September 14, 2016

Dated

091-0138

DEP File Number

3. The project site is located at:

47 Spy Pond Lane (Lot1/Lot A)

Street Address

12-4-2

Assessors Map/Plat Number

Arlington

City/Town

Parcel/Lot Number

4. The final Order of Conditions was recorded at the Registry of Deeds for:

47 Spy Pond Lane (Lot1/Lot A)

Property Owner (if different)

Middlesex South

County

73606

Book

227

Page

Certificate (if registered land)

5. This request is for certification that (check one):

☒ the work regulated by the above-referenced Order of Conditions has been satisfactorily completed.

☐ the following portions of the work regulated by the above-referenced Order of Conditions have been satisfactorily completed (use additional paper if necessary).

☐ the above-referenced Order of Conditions has lapsed and is therefore no longer valid, and the work regulated by it was never started.



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

WPA Form 8A – Request for Certificate of Compliance

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

091-0318

Provided by DEP

A. Project Information (cont.)

6. Did the Order of Conditions for this project, or the portion of the project subject to this request, contain an approval of any plans stamped by a registered professional engineer, architect, landscape architect, or land surveyor?

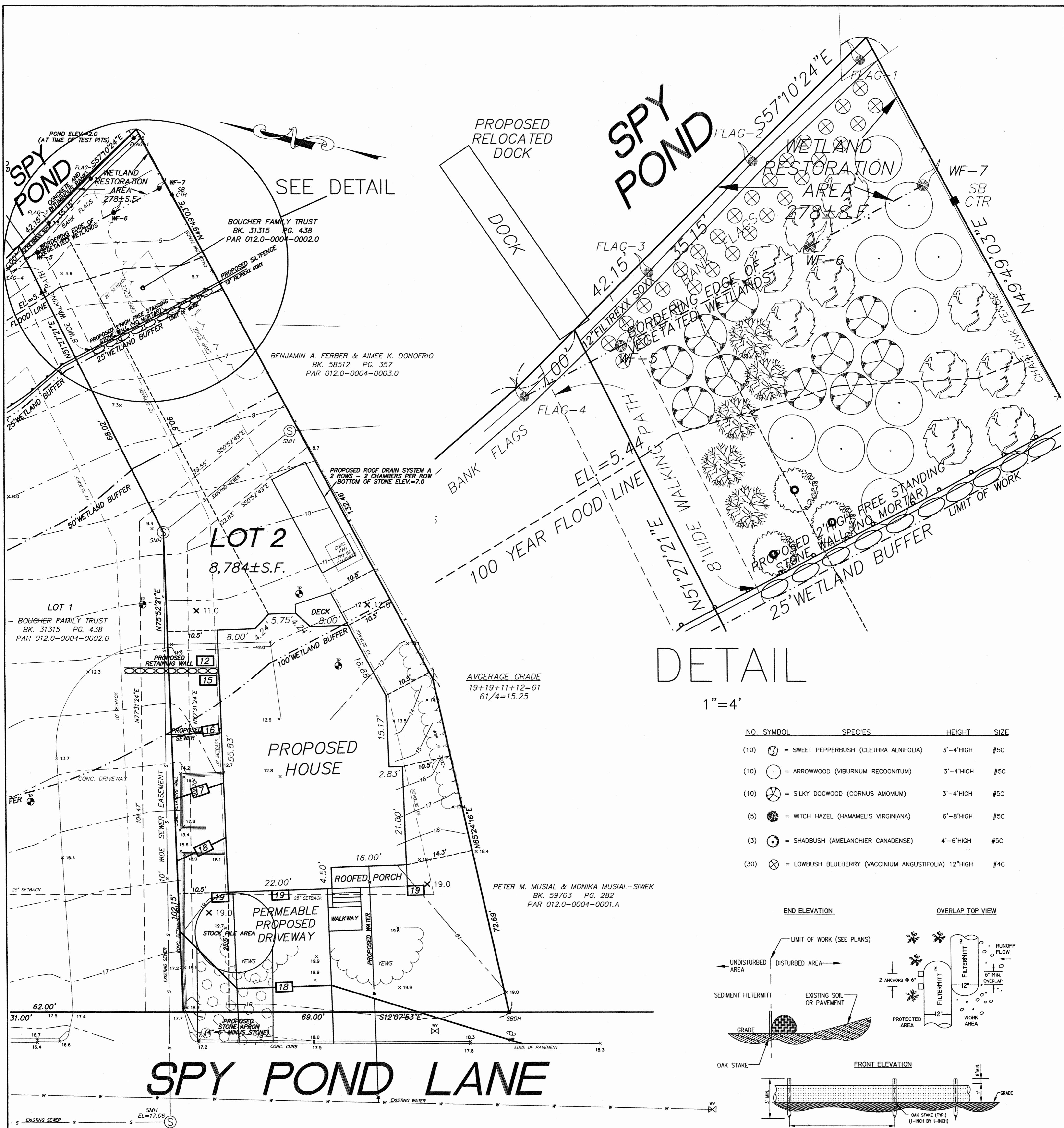
☒ Yes

If yes, attach a written statement by such a professional certifying substantial compliance with the plans and describing what deviation, if any, exists from the plans approved in the Order.

☐ No

B. Submittal Requirements

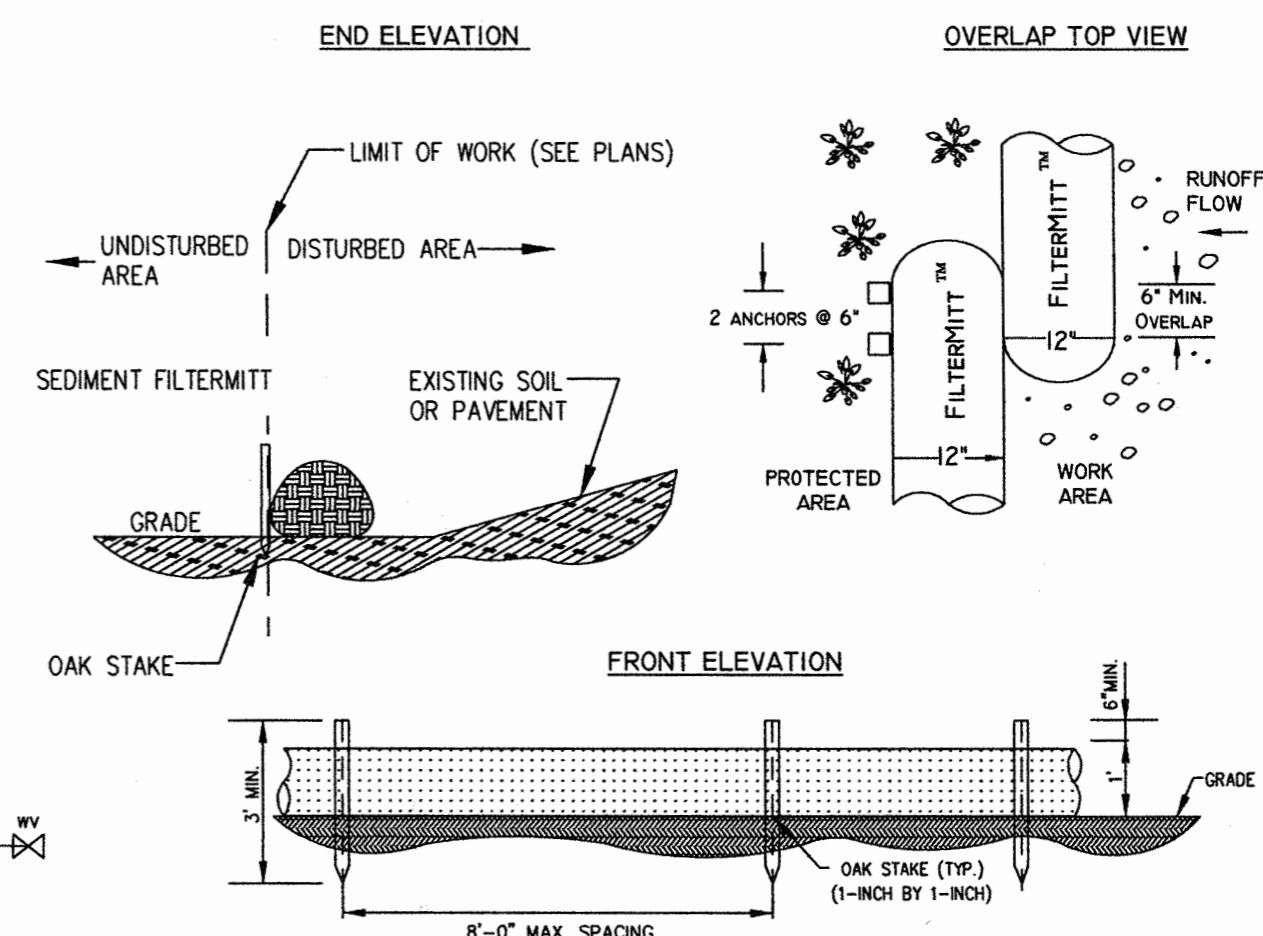
Requests for Certificates of Compliance should be directed to the issuing authority that issued the final Order of Conditions (OOC). If the project received an OOC from the Conservation Commission, submit this request to that Commission. If the project was issued a Superseding Order of Conditions or was the subject of an Adjudicatory Hearing Final Decision, submit this request to the appropriate DEP Regional Office (see <http://www.mass.gov/eea/agencies/massdep/about/contacts/find-the-massdep-regional-office-for-your-city-or-town.html>).



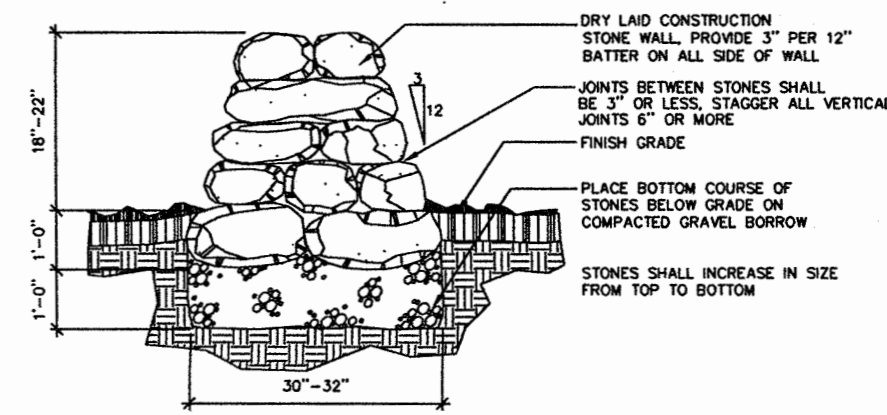
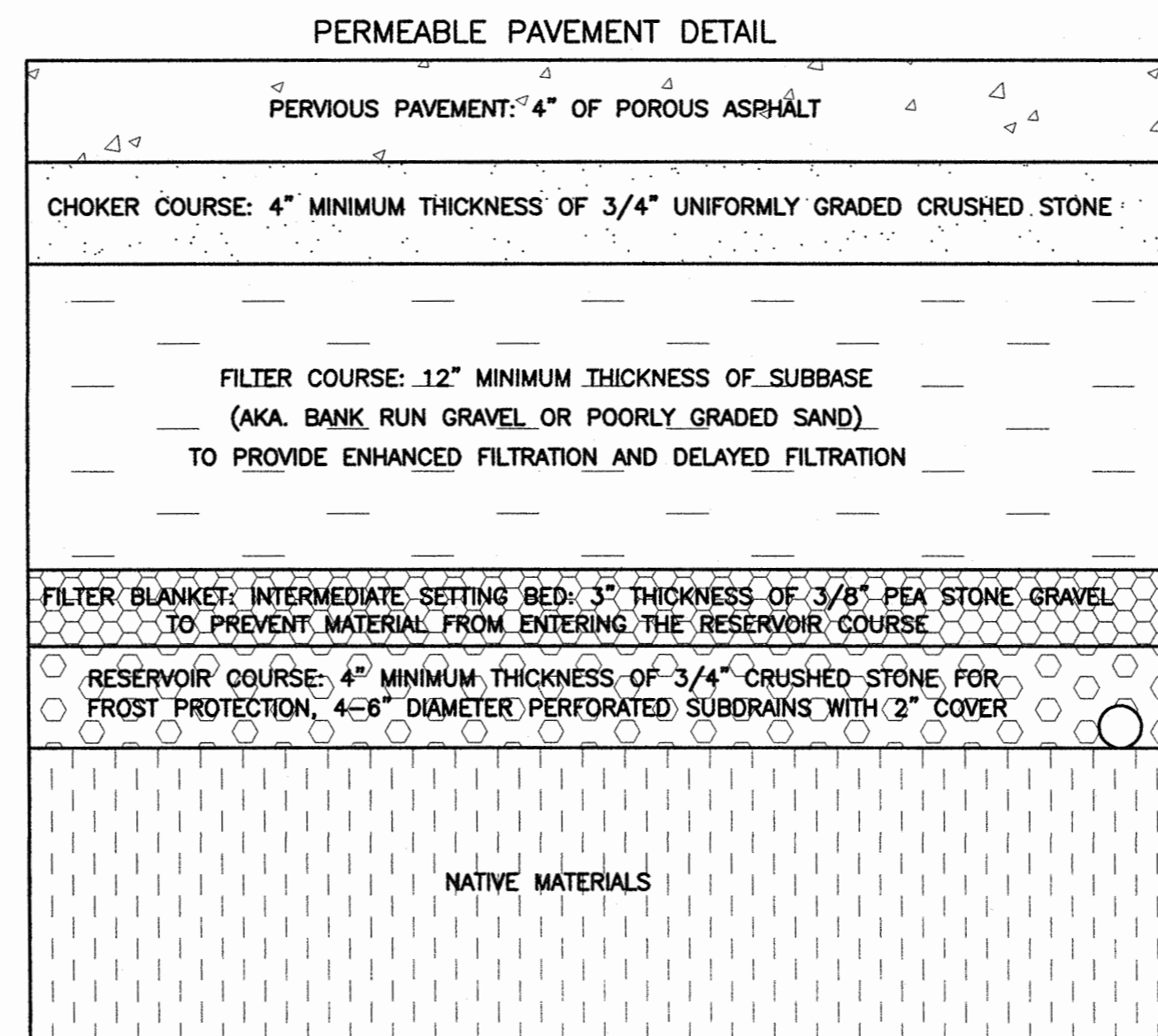
DETAIL

1"=4'

NO.	SYMBOL	SPECIES	HEIGHT	SIZE
(10)		SWEET PEPPERBUSH (CLETHRA ALNIFOLIA)	3'-4' HIGH	#5C
(10)		ARROWWOOD (VIBURNUM RECOGNITUM)	3'-4' HIGH	#5C
(10)		SILKY DOGWOOD (CORNUS AMOMUM)	3'-4' HIGH	#5C
(5)		WITCH HAZEL (HAMAMELIS VIRGINIANA)	6'-8' HIGH	#5C
(3)		SHADBUSH (AMELANCHIER CANADENSE)	4'-6' HIGH	#5C
(30)		LOWBUSH BLUEBERRY (VACCINIUM ANGUSTIFOLIA)	12" HIGH	#4C



EROSION CONTROL DETAIL
N.T.S.



FREE STANDING STONEWALL DETAIL
N.T.S.



I CERTIFY THAT THE BUILDINGS ARE LOCATED AS SHOWN AND THAT THIS PLOT PLAN IS THE RESULT OF AN INSTRUMENT SURVEY.

PLANTING PLAN
IN
ARLINGTON, MASS.
SCALE: 1 IN. = 10 FT. MARCH 7, 2019

KEENAN SURVEY
8 WINCHESTER PLACE, SUITE 208
WINCHESTER, MASS. 01890
781-729-4213

PROPOSED BASEMENT FLOOR=10.0
MIDPOINT=14.9
BASEMENT CEILING=19.75
PROPOSED FIRST FLOOR=21.0
EXISTING AVERAGE GRADE=15.25
PROPOSED ROOF HEIGHT=34.75'
PROPOSED PEAK=50.0
MAX. PEAK=50.25
PROPOSED GARAGE FLR=19.0
EXISTING BUILDING COVER=18.2%
PROPOSED BUILDING COVER=23.7%
EXISTING IMPERVIOUS=2442 S.F.
PROPOSED IMPERVIOUS=2065 S.F.
EXISTING IMPERVIOUS (100' BUFFER)=298 S.F.
PROPOSED IMPERVIOUS (100' BUFFER)=210 S.F.
AREA WITHIN 25' BUFFER ZONE=1129 S.F.

- NOTES:
- 1) WATER SERVICE TO BE 1" TYPE "K" COPPER.
 - 2) SEWER SERVICE TO BE 6" PVC.
 - 3) WATER AND SEWER LATERALS SHALL BE 10' APART (MIN).
 - 4) PROPOSED WATER TO BE CONNECTED TO EXISTING SERVICE.
 - 5) PROPOSED SEWER TO BE CONNECTED TO EXISTING SERVICE.
 - 6) LOT LOCATED IN FLOOD ZONE C. MAP 25017C0419E.
 - 7) LAWN GRASS TO BE REMOVED FROM THE 0 TO 25 FOOT BUFFER ZONE AND THE AREA TOP DRESSED WITH A COMPOSTED LEAF LITTER MATERIAL, APPLIED TO A DEPTH OF 3-4 INCHES ACROSS THE RESTORATION AREA.

SECTION A-A

SILT FENCE PLAN

ALAN Engineering, L.L.C.

110 Winn Street, Suite 209
Woburn, MA 01801
(781) 287-9789
alan.eng@verizon.net

August 25, 2020

Scott Seaver, President
Seaver Construction, Inc.
210 Lexington Street
Woburn, MA 01801


Ref: 47 Spy Pond Lane – Lot 1
Arlington, MA

Dear Mr. Seaver:

On August 21 and 23, 2020 ALAN Engineering observed the installation of the roof drain infiltration system on Lot 1 at 47 Spy Pond Lane in Arlington. The open excavation was inspected on August 21, 2020 and the soil was found to be consistent with the test pit observations. On August 24, 2020 the system installation was inspected. Crushed stone was added to the excavation to achieve the design elevations of the chambers and filter fabric was placed along the sides of the excavation and over the top of the crushed stone. In accordance with the approved design, the system consists of 2 rows of 3 Cultec R-150XLHD chambers for a total of 6 chambers.

Enclosed is an as built plan of the system which includes Operation and Maintenance requirements.

Very truly yours,
ALAN Engineering, L.L.C.


Mark A. Slegler,
Manager


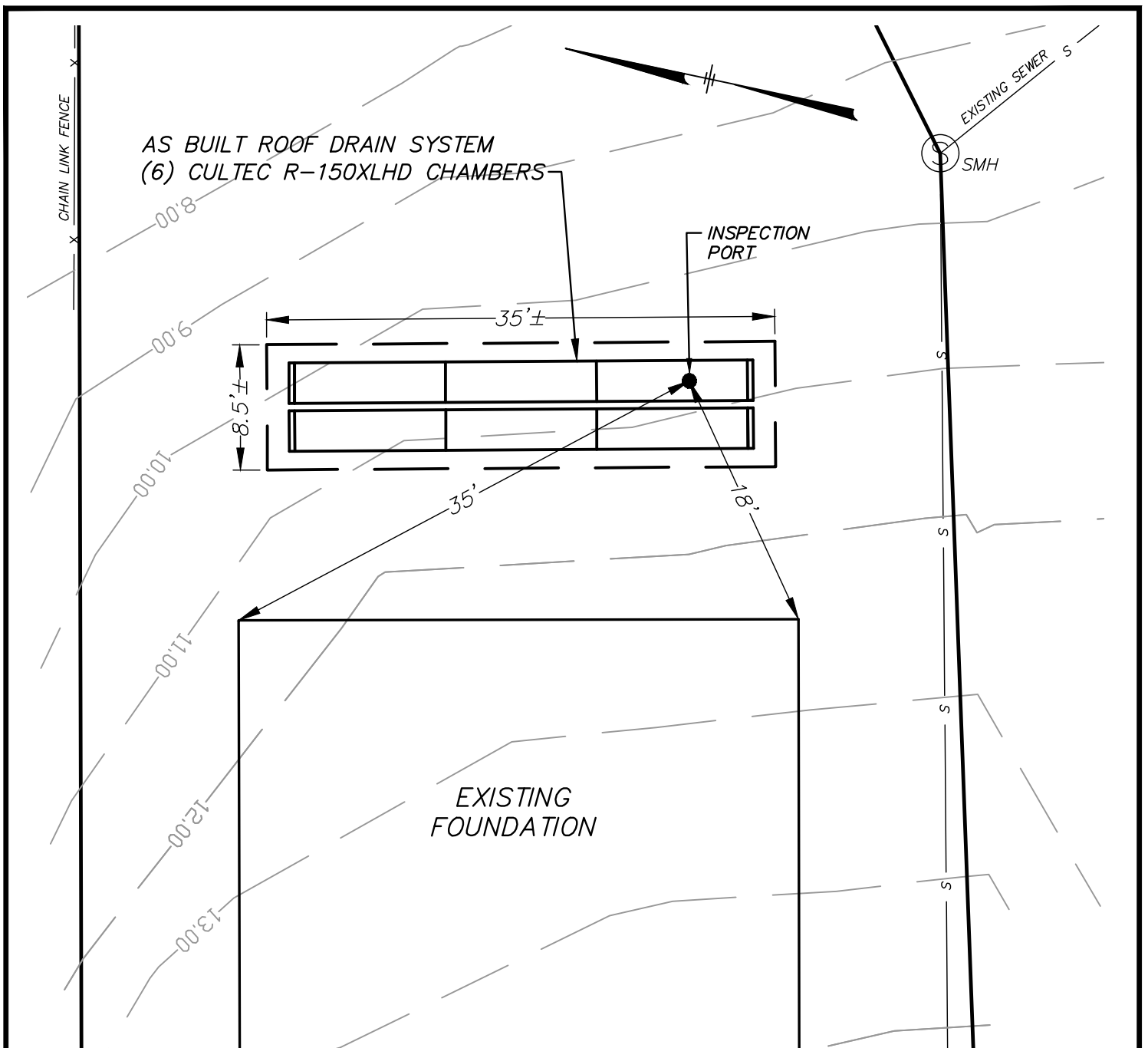




Photo 1
Roof drain infiltration system – Lot 1 at 47 Spy Pond Lane, Arlington, MA



INFILTRATION SYSTEM OPERATION AND MAINTENANCE:

ROOF GUTTERS AND DOWNSPOUTS ARE TO BE KEPT FREE OF LEAF LITTER AND OTHER DEBRIS. THE SYSTEM IS TO BE INSPECTED DURING SIGNIFICANT RAINFALL EVENTS. DISCHARGE THROUGH THE DOWNSPOUT OVERFLOWS MAY INDICATE PIPE CLOGGING OR SYSTEM FAILURE. CLOGGING CAN BE CLEARED WITH EITHER HYDRO-FLUSHING OR MECHANICAL CLEANING. THE SURFACE ABOVE THE SYSTEMS SHALL BE KEPT FREE OF SHRUBS AND WOODY VEGETATION TO PREVENT ROOT DAMAGE TO THE CHAMBERS. THE SYSTEM IS TO BE INSPECTED ANNUALLY FOR SEDIMENT ACCUMULATION.

COPYRIGHT © 2020

**AS BUILT ROOF DRAIN
INFILTRATION SYSTEM**

47 SPY POND LANE (LOT 1)
ARLINGTON, MA

**ALAN
ENGINEERING, L.L.C.**

110 WINN STREET, SUITE 209
WOBURN, MA 01801

JOB NO. 1140

AUGUST 25, 2020

SCALE: 1" = 10'

DWG NO

SHEET

18 of 18

Invasive Plant Management Work Log



Date of Work Session: October 31 22

Weather Conditions 65 degrees, sun

Name of Work Log Reporter: Zach Navarro

Phone Number: 978-548-8258

Time Worked:

of Hours Worked:

of People Working:

Location: (be as specific as possible and also circle the area on map provided)

47 Spy Pond Lane, Arlington, MA

Work Completed:

Plant Name(s)	Management/Disposal Method(s)	% Complete	Photo(Y/N)
Garlic Mustard	1, 2	100%	No Photos
Black Locust	11	100%	
Purple Loosestrife	11	100%	
Bittersweet	1	100%	
Multiflora rose	11	100%	

Zach Note - Pulled juvenile bittersweet throughout conservation area, although it was sporadic. Not more than two dozen sprigs. Treated 5 purple loosestrife with a cut and dab application. Seed heads bagged and removed from site. Loosestrife present along the water's edge, as to be expected. There were only 3 small multiflora rose. One had started to entangle itself in a Hamamelis. The multifloras were also cut and dabbed with the weed wand applicator. Half a dozen black locust resprouts were also treated this way, although new growth was severely impacted by last year's treatment. The northwestern section of the site was full of garlic mustard, which was both hand pulled as well as work on with a hoe. Lots of juvenile seedlings are expected for many years. Overall, the treatment in 2021 appears to have been very effective.

Recommended Follow Up: N/A

Management Methods:

1. Hand pull
2. Mechanical pull (ie weed wrench)
3. Dig up roots/grind stump
4. Mechanical mowing
5. Hazardous tree removal
6. Basal bark cutting/herbicide
7. Biological control
8. Cut stems to ground
9. Cut stems/cover with plastic sheeting
10. Backpack foliar spray
11. Cut stem, apply herbicide with wand or drip bottle
12. Gloved hand swipe using herbicide

Re: Request for Certificate of Compliance for 49 Spy Pond Lane (Lot 2) 91-318

Susan D. Chapnick <s.chapnick@comcast.net>

Sun 7/16/2023 6:30 PM

To: Mary Trudeau <marytrudeau@ymail.com>; David Morgan <dmorgan@town.arlington.ma.us>

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Thanks, Mary. This explanation is very helpful.

Best,
Susan

On 07/15/2023 12:56 PM EDT Mary Trudeau <marytrudeau@ymail.com> wrote:

Dear Susan,

This is the only letter from a Landscape Architect that I was given. This October 3, 2021 correspondence appears to be for 47 Spy Pond Lane (Lot 2) and 49 Spy Pond Lane (Lot 1), although the description of the lot appears to only reference Lot 1. I believe the LA considered the planting area a single bed. The letter does not fully credit the additional planting done in 2022.

Note that the Sycamores were replaced by Riverbirch (*Betula nigra*) on Lot 1, and additional replacement plantings were made in 2022 on Lot 1. Currently, Lot 2 has (29) live shrubs, plus native intruders and Lot 1 has (23) live shrubs, plus a handful of Lowbush Blueberry. The plantings exceed those originally installed as some of the "failures" appeared to have rallied during this wet spring and summer. Native intruders include Milk Weed, Sensitive Fern, Joe Pye Weed, raspberry and other soft herbs. Box Elder (*Acer negundo*), a native tree, is noted in both restoration areas.

Thanks, hope this is helpful! Mary

On Friday, July 14, 2023 at 05:39:36 PM EDT, Susan D. Chapnick <s.chapnick@comcast.net> wrote:

Hi Mary,

Thank you for all the emails and attachments. I have one request - please resend the Landscape Architect Letter for #47 Spy Pond Lane, DEP # 091-0137. I seem to have from your attachments two copies of the Landscape Architect Letter that represents the plantings for #49 Spy Pond Lane, DEP # 091-0138. The confusion may be that both letters may have had the subject line as "47 Spy Pond Lane Plantings" since the address for the Order of Conditions for both lots, as you may remember, was 47 Spy Pond Lane.

I have attached the Landscape letter that I downloaded from your emails.

Thanks!
Susan

On 07/14/2023 4:04 PM EDT Mary Trudeau <marytrudeau@ymail.com> wrote:

fyi

----- Forwarded Message -----

From: Mary Trudeau <marytrudeau@ymail.com>

To: David Morgan <dmorgan@town.arlington.ma.us>

Sent: Monday, February 7, 2022 at 02:18:31 PM EST

Subject: Request for Certificate of Compliance for 49 Spy Pond Lane (Lot 2) 91-318

Hi David,

I am attaching the materials needed for a Request for Certificate of Compliance for Lot 2 (91-318). The request is for a partial Certificate of Compliance, as the (2) Sycamore trees on this lot are having issues, and I believe that they will require replacement this spring.

Thanks, and let me know if I have missed anything. My next email will be a similar request for Lot 1, 47 Spy Pond Lane!

Mary

Middlesex South Registry of Deeds

Electronically Recorded Document

This is the first page of the document - Do not remove

Recording Information

Document Number	: 121216
Document Type	: COV
Recorded Date	: July 24, 2020
Recorded Time	: 11:09:27 AM
Recorded Book and Page	: 75197 / 453
Number of Pages(including cover sheet)	: 5
Receipt Number	: 2493805
Recording Fee	: \$105.00

Middlesex South Registry of Deeds
Maria C. Curtatone, Register
208 Cambridge Street
Cambridge, MA 02141
617-679-6300
www.middlesexsouthregistry.com

RESTRICTIVE COVENANT

Seaver Properties LLC, A Massachusetts Limited Liability Company with a principal place of business of 215 Lexington Street, Woburn, MA 01801 is the owner of 47 Spy Pond, Arlington MA being shown as Lot numbered 1 and 2 on Plan prepared by James Keenan and recorded with the Middlesex South Registry of Deeds as Plan Number 2015 of 2019. For grantor's title see deeds recorded with the Middlesex South Registry of Deeds in Book 73606, Page 227 and in Book 75165, Page 70.

Seaver Properties LLC hereby intends to sell said property and convey the above referenced properties and therefore imposes the following Restrictive Covenant on Lots 1 and 2 as referenced herein. This Restrictive Covenant shall be for the benefit of the Conservation Commission and the Town of Arlington and shall be enforceable by said Conservation Commission and the Town of Arlington:

The Owners of Lots 1 and 2 as shown on the Plans, prepared by Keenan Survey and recorded with the Middlesex South Registry of Deeds as Plan Number 2015 of 2019 agrees that all pervious surfaces shown on Proposed Site Plan in Arlington Mass dated June 27, 2019 for Lot 1 and March 7, 2019 for Lot 2 prepared by James Keenan (copies of which are attached hereto and copies which are filed with the Town of Arlington Conservation Commission shall remain pervious

This Restrictive Covenant shall be binding upon the Grantor, and his successors in interest shall run with the Land.

Witness my hands in seal this 24 day of July 2020.

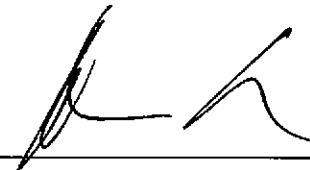


 Seaver Properties LLC

COMMONWEALTH OF MASSACHUSETTS

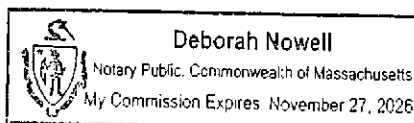
MIDDLESEX, SS

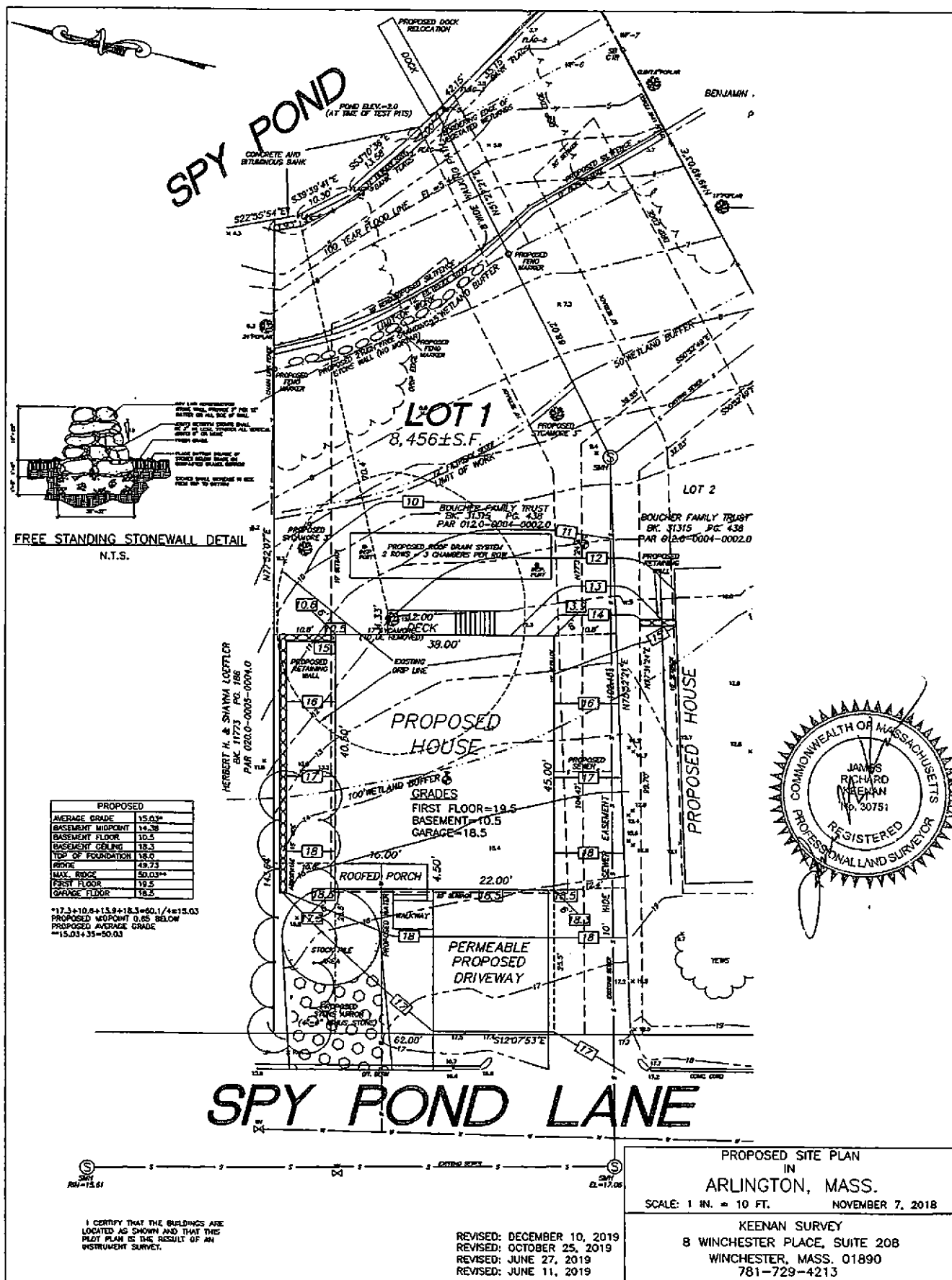
On this 24 day of July, 2020, before me, the undersigned notary public, personally appeared Scott Seaver as Manager of Seaver Properties LLC, proved to me through satisfactory evidence of identification, which was said persons' Massachusetts Driver's license, to be the person whose names is signed on the preceding or attached document, and acknowledged to me that they signed it freely and voluntarily on behalf of said LLC.

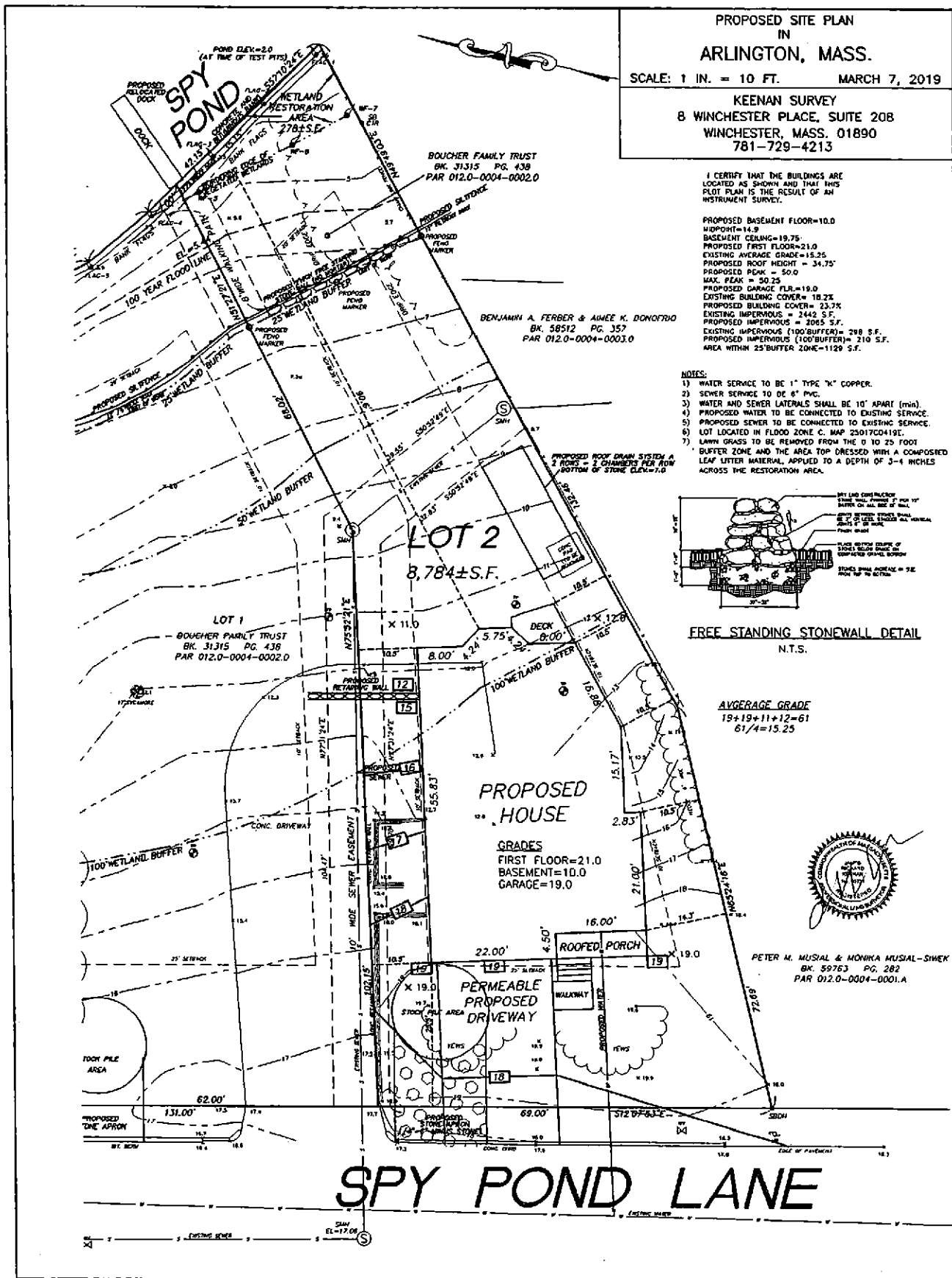


Notary Public Deborah Nowell

My commission expires: 11/27/2026









Town of Arlington, Massachusetts

Symmes Conservation Restriction / Arlington 360

Summary:

Symmes Conservation Restriction / Arlington 360

ATTACHMENTS:

Type	File Name	Description
Reference Material	ARLINGTON_360_CONSERVATION_PROJECT_SCHDULE_6.23..23_.xlsx	ARLINGTON 360 CONSERVATION PROJECT SCHEDULE
Reference Material	June_23-23_-_Forestry_Management_Plan-compressed.pdf	June 23-23 - Forestry Management Plan

Forest Restoration and Invasive Species Mitigation Management Plan

Summer Street Woods CR/Arlington 360 Arlington, MA 02474

Prepared for:

Adam Post, Construction Project Manager
Greystar
One Federal Street, Suite 1804
Boston, MA 02110

Prepared by:

Daniel E. Cathcart
Registered Consulting Arborist
Plant Healthcare Consultants, Inc.
134 Allen Street
Braintree, MA 02184

June 18, 2023

Daniel E. Cathcart
Plant Healthcare Consultants, Inc.
134 Allen Street, Braintree, MA 02184 • Phone (617) 237-7695
dan.cathcart@gmail.com • www.treeconsultant.com

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Summary

I was retained as a Consulting Arborist to develop a forest restoration and invasive species management plan (the “Plan”) for the Summer Street Woods Conservation Restriction (the “CR”) located in Arlington, MA. The purpose of the Plan is to evaluate the condition of the CR and present an outline that is in alignment with The Town of Arlington’s Conservation Commission Amended and Restated Agreement for Management of the Conservation Area. This Plan includes the current profile of the CR, a summary of invasive species populations, a multi-year policy for reducing the population of invasive species, and a multi-year restoration planting strategy for the CR.

To create the Plan, I performed an inventory of the invasive species within the CR. I identified individual trees and shrubs (or patches of invasive species if more appropriate), numbered and geolocated them on a GIS map. With this data I developed a plan that will encompass removing and control the invasives and restore the CR by planting native species to the site. A component of this Plan is the timeline and specifications for the performing tree care operations.

I found the entirety of the site to be approximately 18 acres. Of that, approximately 8.25 acres is woodland protected by the CR. In that 8.25 acres I identified 665 individual invasive trees including, Norway maple (*Acer platanoides*), Tree of Heaven (*Ailanthus altissima*), black locust (*Robinia pseudoacacia*), boxelder (*Acer negundo*). In addition to the invasive species, I identified 24 standing dead trees of various species and several dead, fallen trees and debris piles that will be removed as part of the Plan.

I also located approximately 10,400 sq ft of invasive shrubs including, common buckthorn (*Rhamnus cathartica*), wild rose (*Rosa multiflora*), Japanese knotweed (*Fallopia japonica*), winged euonymus (*Euonymus alatus*), and Oriental bittersweet (*Celastrus orbiculatus*). While not classified as invasive, this area also includes several areas of poison ivy (*Toxicodendron radicans*), which is noxious, and for purposes of this Plan will be included as an invasive plant. A complete plant inventory and map of locations is included in this Plan.

The Plan outlines a five-year approach to removing and controlling invasive species and reintroducing native trees and shrubs to the CR. Roughly twenty percent of the trees and invasive shrubs/vines will be removed annually. An average of 125 individual trees and 2,080 sq ft of shrubs/vines will be removed each year. The exact

number of tree removals and areas of shrubs treated will vary each year based on analysis of plant density, access, location, etc., and are defined in the Specifications Section of the Plan. In addition to the physical removal, the invasive shrubs and vines will be treated with an herbicide material to minimize regrowth.

The Plan also presents a revegetation schedule to restore the site with native species of trees and shrubs that have been marginalized by the expansion of the invasive species populations. Approximately 75 native trees and 25 native shrubs will be planted annually. The Plan includes erosion control measures and provisions for the development of passive recreational land use. The restoration specifications are included in this Plan.

***Note – This Plan was created based on the conditions of the site at the time of my field visits. This is a preliminary Plan and may be modified and adjusted once the final land survey is completed and the monument markers are placed.*

Introduction

Background & History

Arlington 360 is a mix-income family community located on the 18-acre site of the former Symmes Hospital in Arlington, MA. The community is comprised of 176 residential townhome and apartment units, amenity buildings, common green spaces and a 90-unit assisted living facility. The development is surrounded by the Summer Street Woods Conservation Restriction.

The purpose of the Conservation Restriction is to protect and preserve the character and integrity of the forested area for the public's use in perpetuity. The protected, woodland areas comprise approximately 8.25 acres of urban forest, which provides both a buffer between the residential use and the public open space for passive recreation use and appreciation of the natural environment and wildlife.

Upon initial approval of the project the Town of Arlington required, as a condition of the project, that a multi-year forestry management plan be developed. The plan would outline the removal of the invasive species in the CR and restore the site with native species, allowing the site to be a passive recreation area for the residents of Arlington to enjoy.

While a plan was created in 2012, to date, I am not aware that the proposed work has been completed. In 2023, Adam Post, Regional Construction Project Manager for Greystar Construction Services became intimately involved with project as owner's representative for Arlington 360. As such, Greystar is now acting as the owner's liaison to deliver the Town of Arlington's stipulations and make the site compliant.

On April 25, 2023, Adam Post of Greystar, contacted my office inquiring to retain my services as a Consulting Arborist to create a current and up-to-date forest management plan that targets removing the invasive species and restoring the CR. I agreed to accept the project and entered into a contract with Greystar on May 30, 2023.

Assignment

The scope of my assignment was to create a Forest Restoration and Invasive Species Mitigation Management Plan for the Summer Street Woods CR that is compliant with the requirements set forth by the Town of Arlington. Specific services are outline below:

1. Initial Assessment and Management Plan (Year 1)
 - a. Site visits as required to gather data to complete the scope of work for this project,
 - b. Inventory each parcel of the site to determine species diversity and populations,
 - c. Assess the health, condition, and safety of the flora in each parcel and highlight invasive species,
 - d. Geolocate specific invasive trees and high concentrations of invasive shrubs as well as high-risk trees,
 - e. Summarize tree and shrub data,
 - f. Recommend actions to improve safety, reduce invasive species and restore with native species plants,
 - g. Develop written management plan compiling all the data and recommendations discovered during the field work in this project,
 - h. *and*
 - i. Revise and update report upon the request of the Client or Arlington's Conservation Committee.
2. Various Meeting
 - a. Weekly team meetings for status updates and adjustments,
and
 - b. Semimonthly Arlington Conservation Committee meetings.

Limits of Assignment

The recommendations and conclusions provided in this report are based on my visual observations only. I did not examine the plant's interiors, nor did I collect soil or plant tissue samples for laboratory testing.

This Plan was created based on the conditions of the site at the time of my field visits. This is a preliminary Plan and may be modified and adjusted once the final land survey is completed and the monument markers are placed.

Purpose and Use of Report

This report is meant to outline and support the opinions and observations used to create the Plan. It is a blueprint to the tree care operations and restoration of the CR.

The report is intended to provide the steps and procedure required to attain compliance set forth by the Town of Arlington.

This report is the property of Greystar and may be used and shared as it deems necessary.

Observations

I performed three site visits to collect the data required for this Plan:

- May 31, 2023
- June 3, 2023
- June 10, 2023

During these visits I made observation, identified invasive species, numbered each tree, shrub, or vine, and Geolocated each plant with a Trimble R1, submeter GNSS receiver.

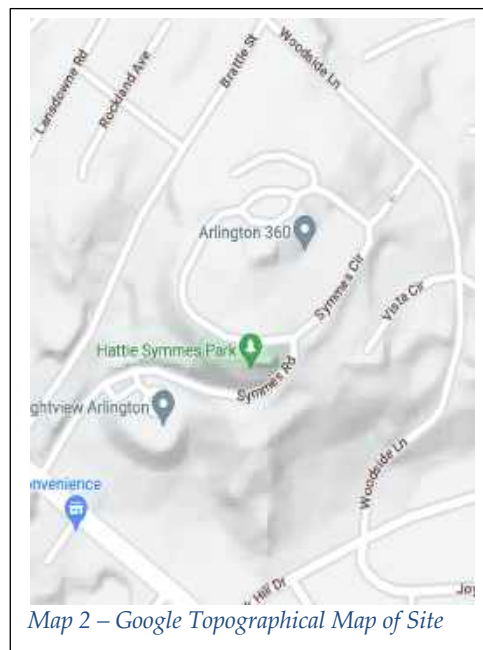
Specific observations are listed below.

Site

Arlington 360 was developed atop a hill, on approximately 18 acres in central Arlington, MA. The location is primarily ledge with some stark drop-offs and elevation changes. The complex has two components, the residential apartments, and townhomes at the summit of the hill, and an assisted living facility situated along the main drive, about halfway up the hill.



Map 1 – Google Maps – Aerial View of Site

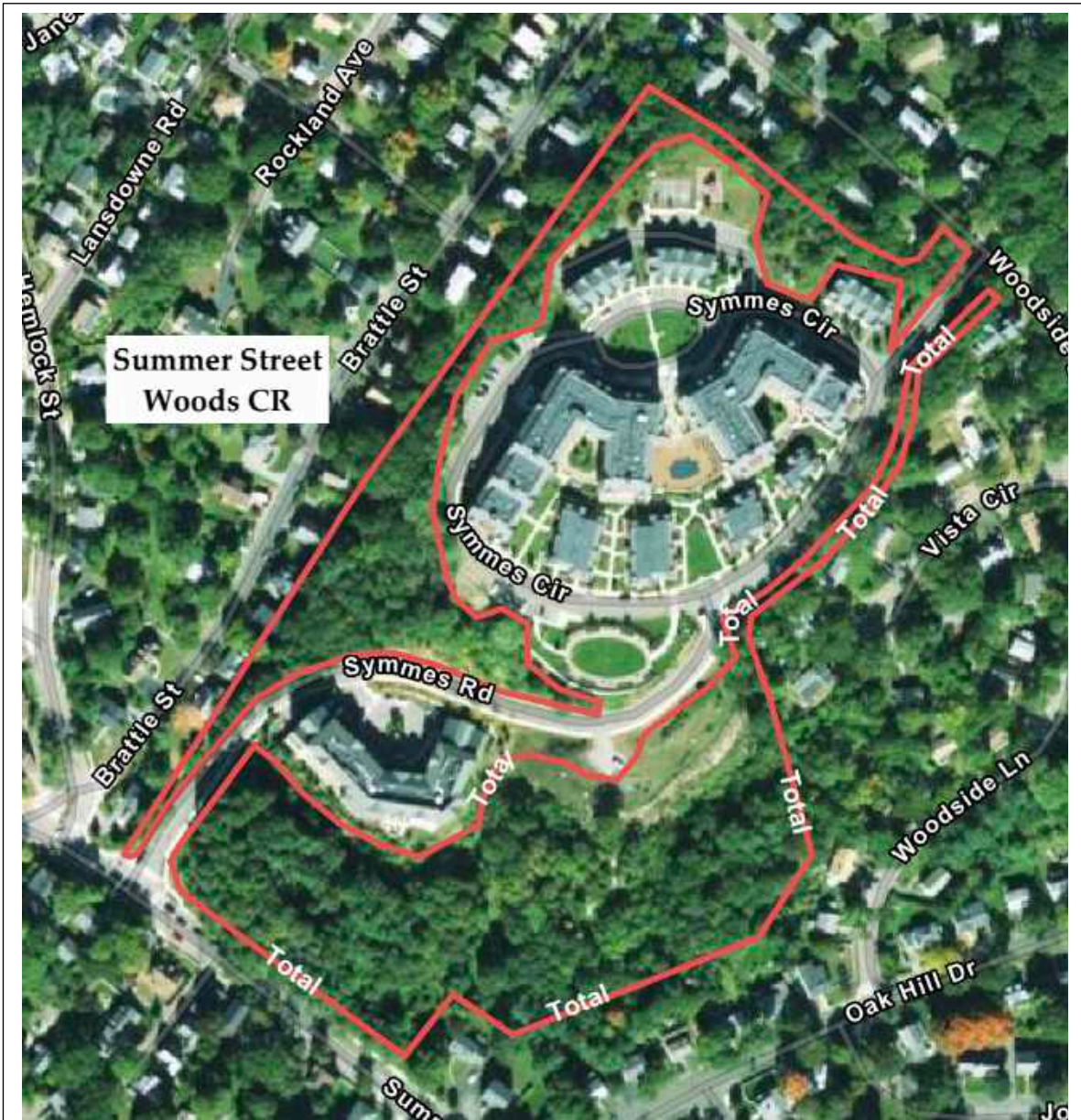


Map 2 – Google Topographical Map of Site

The location of the development is within the Summer Street Wood CR. There is approximately 8.25 acres of woodlands that are protected under the CR. Much of the vegetation has grown and adapted to the harsh growing conditions. The rugged terrain and ledge limited the development of a truly diverse tree population. The majority of the site contain mixed hardwood trees with a few conifers. The understory trees, shrubs and vines consist of both native and introduced species – some considered invasive or noxious. The overall health of the plants is in fair to good condition considering the history of the property.

There is a large population of invasive species on the site. Invasive species tend to proliferate in unforgiving growing conditions. Their adaptability is partially the reason they have been deemed invasive. The fact that the area once served as a town nursery for growing Norway maples it is not surprising that the population of this invasive species is pervasive.

When evaluating the entire wooded area, with a focus on the removal and control of invasive species and replanting the site with native species, I divided the area into 5 distinct areas. The map below indicates the entire 8.25 acres of woodland, outlined in red. The next map shows this area broken into the 5 individual work areas.



Map 3 – Map of Woodlands included in this Plan



Map 4 – Map of Defined Areas

The Areas were carefully and strategically selected based on population of trees, ease of access, proximity to roads, total DBH of plants to be removed, and future planting efforts.

Plants – Full Property

Entering the site from the southwest corner of the property I noted a heavily forested area to the east of the entry road. I climbed the driveway, passing the assisted living facility on the right side. Along the climb there was exposed ledge and some significant sheer rockfaces. Continuing up the driveway I reached the summit of the hill and found the residential apartments and town homes. I noted the entire development was surround, to varying degrees, with naturally wooded land.

I began my inspection at the northeast corner of the property, along Old Hospital Road, and worked count-clockwise around the site. I noted the make-up of the naturally wooded areas to consist of primarily deciduous trees, maples, oaks, hickory, black cherry and a host of invasive trees and shrubs. There were several conifers in the upper portion of the site, but the area was predominantly a deciduous forest.

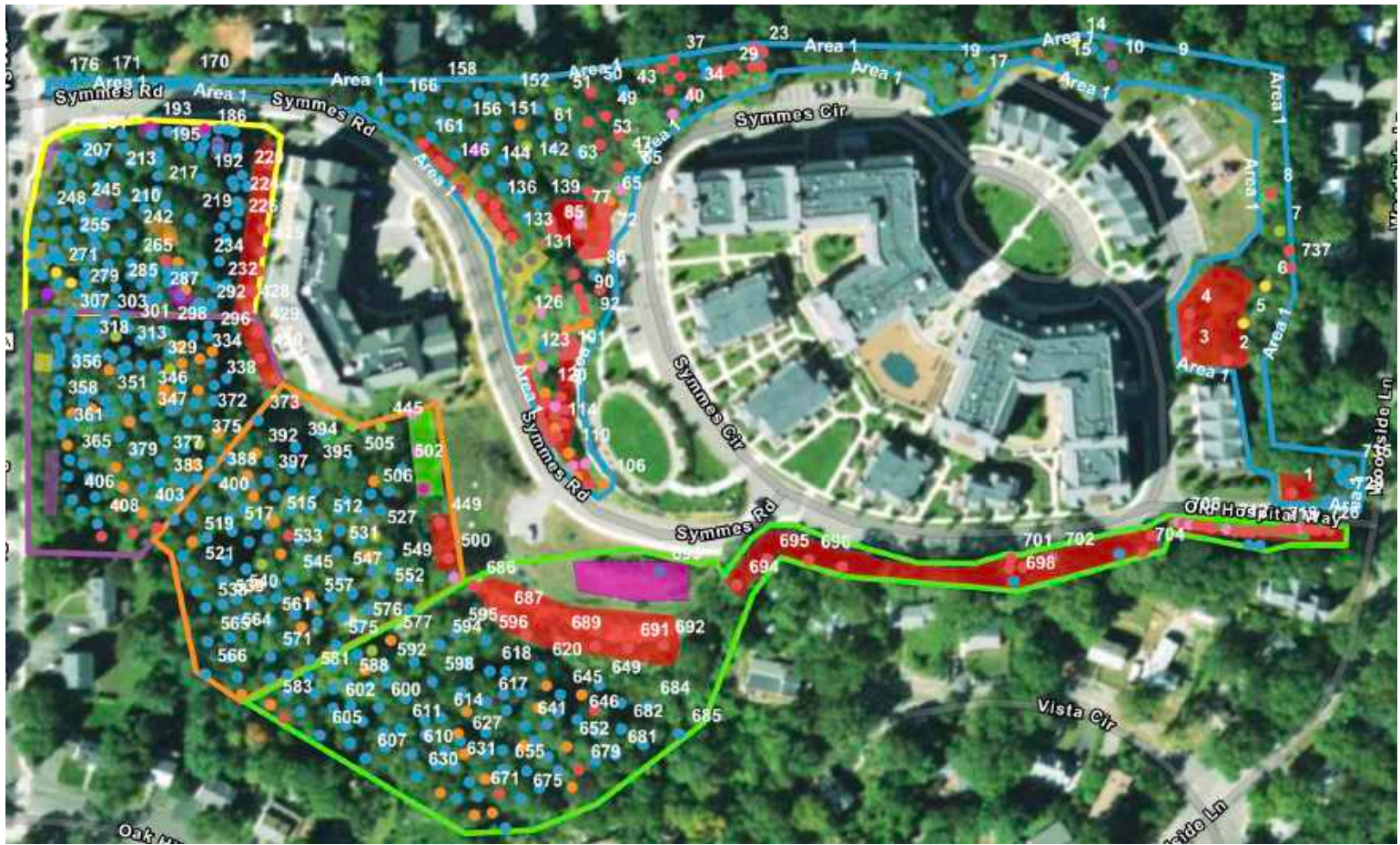
While conducting my inventory I identified 665 invasive trees, 4" in diameter at breast height ("DBH") and larger. I also identified standing and fallen dead trees. Additionally, approximately 10,400 square feet of invasive and noxious shrubs and vines were located. I geolocated each plant and placed it in an ArcGIS map. The entire population is difficult to digest on the complete map, so I have also provided maps of each defined Area (see Appendix A – Maps, pages 22 – 37).

The table below is a summary of the count of trees and square footage of shrub beds found over the entire site. A detailed inventory of all the trees and shrubs are included in the report (see Appendix B – Inventory, pages 38 – 72).

Trees			Shrubs		
Common Name	Latin Name	Count	Common Name	Latin Name	Sq. Ft.
Norway Maple	<i>Acer platanoides</i>	420	Tree of Heaven	<i>Ailanthus altissima</i>	7804
Tree of Heaven	<i>Ailanthus altissima</i>	138	Boxelder	<i>Acer negundo</i>	788
Black Locust	<i>Robina pseudoacacia</i>	58	Knotweed	<i>Fallopia japonica</i>	787
Boxelder	<i>Acer negundo</i>	16	Wild Rose	<i>Rosa multiflora</i>	420
Buckthorn	<i>Rhamnus cathartica</i>	4	Buckthorn	<i>Rhamnus cathartica</i>	389
Wild Rose	<i>Rosa multiflora</i>	4	Poison Ivy	<i>Toxicodendron radicans</i>	251
Knotweed	<i>Fallopia japonica</i>	2			
Poison Ivy	<i>Toxicodendron radicans</i>	1			
Other/Dead	Various ssp.	22			
	Total Tree Count	665		Total Sq. Ft.	10,438

Table 1 – Site Summary

Below is a map of the entire site with all invasive trees, shrubs, and vines plotted. The designated Areas are outlined for reference.



Map 5 – All Trees, Shrubs and Vines

Area 1

This section comprises the north and east sides of the property, including the triangle of land between Symmes Road and Symmes Cir. As this area surrounds the majority of the residences it has the most interaction with finished landscape. The protected CR land has transition into landscape plantings. With the exception of the triangle of land, the depth of the woodland, acting as a buffer with neighboring sites, is the narrowest.

This area is approximately 2.25 acres. Despite it being one of the larger areas in size, this area is also most accessible, due to roads and open common areas. The Plan accounts for this as the determination for removal and control distribution was considered.

The following table is a summary of the plants in Area 1.

Trees			Shrubs		
Common Name	Latin Name	Count	Common Name	Latin Name	Sq. Ft.
Tree of Heaven	<i>Ailanthus altissima</i>	82	Tree of Heaven	<i>Ailanthus altissima</i>	2684
Norway Maple	<i>Acer platanoides</i>	70	Wild Rose	<i>Rosa multiflora</i>	270
Black Locust	<i>Robina pseudoacacia</i>	10	Poison Ivy	<i>Toxicodendron radicans</i>	93
Boxelder	<i>Acer negundo</i>	9	Boxelder	<i>Acer negundo</i>	51
Wild Rose	<i>Rosa multiflora</i>	4			
Poison Ivy	<i>Toxicodendron radicans</i>	1			
Other/Dead	Various ssp.	11			
	Total Tree Count	187		Total Sq. Ft.	3,098

Table 2 – Area 1 Summary

Area 2

This section is part of the larger, heavily wooded area on the south side of the property. It is bounded by Summer Street to the south, the assisted living facility to the north, Symmes Road to the west and Area 2 to the east. This area has a high concentration of mature trees, the majority of which are Norway maples. In this area there are dead tree standing in place as well as ones that have fallen. There are also several significant debris piles, resulting from previous tree failures.

This area is approximately 1 acre. It is one of the smaller areas in size but has a high tree volume. There is some accessibility from Summer Street as well as Symmes Road. Clearing of Area 2 is critical to allow access into the area 3, 4, & 5.

The following table is a summary of the plants in Area 2.

Trees			Shrubs		
Common Name	Latin Name	Count	Common Name	Latin Name	Sq. Ft.
Norway Maple	<i>Acer platanoides</i>	108	Tree of Heaven	<i>Ailanthus altissima</i>	647
Tree of Heaven	<i>Ailanthus altissima</i>	9	Knotweed	<i>Fallopia japonica</i>	787
Black Locust	<i>Robina pseudoacacia</i>	3	Buckthorn	<i>Rhamnus cathartica</i>	243
Buckthorn	<i>Rhamnus cathartica</i>	3	Wild Rose	<i>Rosa multiflora</i>	90
Other/Dead	Various ssp.	4	Poison Ivy	<i>Toxicodendron radicans</i>	90
			Boxelder	<i>Acer negundo</i>	31
	Total Tree Count	127		Total Sq. Ft.	1,176

Table 3 – Area 2 Summary

Area 3

This section is another part of the larger, heavily wooded area on the south side of the property. It is bounded by Summer Street to the south, the assisted living facility to the north, Area 2 to the west, and Area 4 to the east. This area has a high concentration of mature trees, the majority of which are Norway maples. In this area there are dead tree standing in place as well as ones that have fallen.

This area is approximately 1.25 acre. It is one of the smaller areas in size but has a high tree volume. There is some accessibility from Summer Street as well as Symmes Road via Area 2.

Trees			Shrubs		
Common Name	Latin Name	Count	Common Name	Latin Name	Sq. Ft.
Norway Maple	<i>Acer platanoides</i>	82	Tree of Heaven	<i>Ailanthus altissima</i>	199
Black Locust	<i>Robina pseudoacacia</i>	17	Buckthorn	<i>Rhamnus cathartica</i>	145
Tree of Heaven	<i>Ailanthus altissima</i>	6	Poison Ivy	<i>Toxicodendron radicans</i>	68
Other/Dead	Various ssp.	3	Wild Rose	<i>Rosa multiflora</i>	60
	Total Tree Count	108		Total Sq. Ft.	473

Table 4 – Area 3 Summary

Area 4

This section is part of the larger, heavily wooded area on the south side of the property. It is bounded by Summer Street to the south, the assisted living facility and Symmes Road to the north, Area 3 to the west and Area 5 to the east. This area has a high concentration of mature trees, the majority of which are Norway maples.

This area is approximately 1.5 acres. Access is challenging and it is critical that Areas 2 & 3 are cleared first to allow accessibility. There is no accessibility from Summer Street or Symmes Road for removal operations except through Areas 2 & 3.

Trees			Shrubs		
Common Name	Latin Name	Count	Common Name	Latin Name	Sq. Ft.
Norway Maple	<i>Acer platanoides</i>	82	Boxelder	<i>Acer negundo</i>	387
Black Locust	<i>Robina pseudoacacia</i>	12	Tree of Heaven	<i>Ailanthus altissima</i>	210
Tree of Heaven	<i>Ailanthus altissima</i>	4			
Boxelder	<i>Acer negundo</i>	3			
Buckthorn	<i>Rhamnus cathartica</i>	1			
Other/Dead	Various ssp.	4			
	Total Tree Count	106		Total Sq. Ft.	596

Table 5 – Area 4 Summary

Area 5

This section is a combination of part of the larger, heavily wooded area on the south side of the property, as well as a more accessible area along the eastern portion of the property adjacent to Symmes Circle and Old Hospital Road. It is bounded by residential properties to the south, Symmes Road to the north, Area 4 to the west and residential properties to the east. This area has a high a more diverse distribution of mature and smaller trees, the majority of which are Norway maples.

This area is approximately 2.25 acres. Of that, approximately 2 acres is adjacent and similar to area 4 while .25 acres is easily accessible via Symmes Circle and Old Hospital Road. Access the lower are challenging and will require passing through Areas 2, 3, & 4.

Trees			Shrubs		
Common Name	Latin Name	Count	Common Name	Latin Name	Sq. Ft.
Norway Maple	<i>Acer platanoides</i>	78	Tree of Heaven	<i>Ailanthus altissima</i>	4,063
Tree of Heaven	<i>Ailanthus altissima</i>	37	Knotweed	<i>Fallopia japonica</i>	712
Black Locust	<i>Robina pseudoacacia</i>	16	Boxelder	<i>Acer negundo</i>	302
Boxelder	<i>Acer negundo</i>	4			
Knotweed	<i>Fallopia japonica</i>	1			
Other/Dead	Various ssp.	1			
Total Tree Count		137	Total Sq. Ft.		5,077

Table 6 – Area 5 Summary

Discussion

Invasive Species Control

The focus of this Plan is to remove the invasive plants in the CR and restore the site with native trees and shrubs. To achieve this goal, it is important to understand invasive species and effective management policies.

A widely accepted definition of invasive plant is “non-native species that have spread into native or minimally managed plant systems. These plants cause economic or environmental harm by developing self-sustaining populations and becoming dominant and/or disruptive to those systems.”

The introduced invasive plants of greatest concern, both nationwide and to the Commonwealth of Massachusetts, have various biological traits providing them with competitive advantages over native species. In addition, having been transported out of their native environment, invasive plant species are free from the evolved, biological controls that manage population expansions and maintain biological diversity. Without these constraints, invasives have monopolized natural communities, displacing a wide range of native species in our region. This monopolization can have substantial economic consequences, can impact rare and endangered species, and can dramatically alter long-established balances of both species’ composition and habitat qualities.

The changes accompanying invasions are often subtle, sometimes even visually attractive, so that the ecological problem they pose is not always immediately obvious. Many of these invaders have become so well established across our landscape that eradication of any given species may be highly impractical unless a new invasion is detected early. But this does not mean that nothing is possible. There is increasing momentum at the local, regional, and national levels to forge a meaningful response to the problem of invasive plants¹.

To mount a successful strategy to combat invasive species a set of guidelines with clear steps needs to be recognized and adopted. The steps of this Plan incorporate:

- Prevention
- Control/Eradication
- Restoration

¹ Final Report: Strategic Recommendations for Managing Invasive Plants in Massachusetts Massachusetts Invasive Plant Advisory Group, February 28, 2005

Prevention – While this site is already invaded prevention may seem a moot point. That may seem true for the existing population, but this plan includes monitoring of the site to minimize future invasive species from establishing on the site. Early detection and rapid response are key components to minimize new invasions.

Control & Eradication – In this location control and eradication go hand in hand. To achieve eradication the plants must obviously be removed from the location. Controls are then used to ensure that there is no resurgence of the invader. Controls will include, removing all wood and debris from the removals, grinding the stumps of the trees that are accessible, using herbicidal materials on the stems of the shrubs and vines as well as the stumps of trees that are not accessible.

Restoration – To have a site that is inhospitable to invasive plants in the best way to prevent an invasion. To achieve this a healthy, native landscape the site will be replanted with native trees and shrubs.

The population of invasive plants on the site vary from trees to vines and shrubs. Different species, and even relative size of a plant within the species will require different strategies to affectively treat them. The reproduction cycle and methods of propagation must be considered. The state, size and location are also a factor.

This Plan is effective because it targets the elements that have made an invasion possible on this location as well as customizing the treatment approaches for the particular plant. The predominant invasive species the heavily wooded areas are the Norway maples (*Acer platanoides*). There has been some research into the allelochemical effects of Norway maples, that is the excretion of chemicals by the maples that “poison” the soil and kill or make it difficult for other trees to grow. The subject is much debated in the arboricultural community and there is no scientific proof that soil is “poisoned” by Norway maples. I believe a more reasonable explanation why Norway maples replace native species are abiotic in nature. Norway maples have thick and dense canopies which create a parasol effect, heavily shading the understory and forest floor. They also have robust and relatively shallow root systems, capturing water and outcompeting other species. These characteristics of Norway maples cause the native species to be shaded out and suffer from lack of water, causing the native species to die off as well as limit germination of new plants, all the while new Norway maple seedlings continue to germinate and develop. The fact that this site was a Norway maple in the nursery only exacerbated the situation. The most effective way to control Norway maples is simply to remove the plants and debris and grind the stumps where

possible so they can't regrade and form coppices. Stumps not accessible or are under 4 inches, should be treated with a contact herbicide at the point of the cut. These steps, followed by annual monitoring and removing new seedlings as they are detected, will be an effective control.

Boxelder (*Acer negundo*) is also in the maple family and reproduces similarly to Norway maples, seeds dropped and spread by wind and wildlife. Using control methods similar to Norway maples is appropriate.

The next two predominant invasive trees on the site are Tree of Heaven (*Ailanthus altissima*) and black locust (*Robina pseudoacacia*). These species have very active rhizomes, continuously growing horizontal underground stems which puts out lateral shoots and adventitious. They tend to reproduce by sending up new growth in the form of root suckers. They are frequently, but not always, in more sunny, exposed locations, along roadways or in open fields, where they receive adequate sunlight to develop. At Arlington 360 some mature specimens can be found in full growth, forested areas, but the majority are smaller caliper plants, along the driveway. The mature trees of these species tend to be isolated and within denser Norway maple groves. There is limited root sucker developing from them because like native species, the new plants can't survive under a Norway maple canopy. The mature Trees of Heaven and black locust should utilize the same control methods used for the Norway maples.

The smaller Trees of Heaven and black locust, located in more open areas, act more like other invasive shrubs; Japanese knotweed (*Fallopia japonica*), wild rose (*Rosa multiflora*) and poison ivy (*Toxicodendron radicans*). These plants reproduce via rhizomes. The use of herbicide is more critical with these trees due to the reproducing through the root system. All the plants should be cut and removed from the site and the cuts be treated with contact herbicide. Multiple years of removing and treating may be required to achieve affective control.

Buckthorn acts a bit differently. The challenge for controlling common buckthorn (*Rhamnus cathartica*) is the way it reproduces. When a buckthorn drops seeds, they can stay in the soil for several years before germinating. This can lend an appearance of control only to find a resurgence several years later. Continued monitoring of locations with buckthorn is crucial and continued treatments of removing and treating with herbicide are necessary.

Restoration Planting

To reintroduce native species to the CR a restoration planting plan is included as part of this Plan. The Plan calls for the installation of 75 native trees and 25 native shrubs to be installed annually. Areas with steep grades will also be seeded with erosion reducing ground cover, such as a meadow mix. Like the removal schedule these are averages and the different Areas more appropriate and will receive more trees and shrubs and other areas less. The planting list is comprised of various trees including, oaks, maples, pines, birches, and elm. The native shrubs will include, serviceberry, winterberry, blueberry, Mt laurel, and others.

All trees will be 1.5-2" caliper and all shrubs will be 3 gal containers. The exact plant material used will be based on availability and may vary.

A project like this, where large populations of trees are being removed prior to replanting, deciding exact plant location is not practical. Plant placement should be field decided, once the invasives are removed. This approach also makes sense because the invasive removals will be scheduled in summer/fall months, with herbicide treatments immediately following. The plantings should take place the following spring, in preparation for a new growing season and when availability is at its peak.

That being said, once an Area has been cleared of invasive plants, a more accurate plan of plant location will be determined in conjunction with the installation plan of that Area.

Management Plan

Invasive Control

The goal of this Plan is to produce a document that will serve as the roadmap to removing and control invasive species in the Summer Street Woods CR while reclaiming the space with native species and allowing for passive recreational use by the public. Completion of this Plan will render the site in compliance with the CR.

The Plan is designed to take a five-year approach to managing the forest. Due to the distribution of plants, available access to the various locations on the site, along with the different physiological traits of the species, each year's segment of the Plan is customized and varies from year to year.

Below is a summary of yearly benchmarks. Specific yearly details can be found later in this report.

	Trees	Shrubs
Year	Count	Sq. Ft.
2023	187	3,098
2024	127	1,176
2025	108	473
2026	106	596
2027	137	5077
Total	665	10,438

In most cases the treatment of invasive shrubs, removed in previous years, will require additional monitoring and treatments in subsequent years.

Complete yearly invasive control specifications Can be found in Appendix C – Invasive Control Specification, pages 73 & 74.

Restoration

To ensure a successful planting campaign installation of new plants will be in the spring of for five consecutive years. Specific planting sites will be staked out by Consulting Arborist and landscape contractor based on field conditions. Consideration for planting locations will include leaving enough space to perform future invasive control in other Areas of the site.

Below is a summary of yearly benchmarks for new plantings, depending on final site review and availability.

	Trees	Shrubs
Year	Count	Count
2024	55	30
2025	80	25
2026	75	20
2027	90	20
2028	75	30
Total	375	125

Projected Plant List (based on availability)

Trees			Shrubs		
Common Name	Latin Name	Count	Common Name	Latin Name	Count
Red Oak	<i>Quercus rubra</i>	45	Shadblow Service Berry	<i>Amelanchier canadensis</i>	35
Swamp White Oak	<i>Quercus bicolor</i>	45	Winterberry	<i>Ilex verticillata</i>	35
White Oak	<i>Quercus alba</i>	45	Mt Laurel	<i>Kalmia latifolia</i>	15
Red Maple	<i>Acer rubra</i>	60	Lowbush Blueberry	<i>Vaccinium angustifolium</i>	20
Sugar Maple	<i>Acer saccharum</i>	60	Highbush Blueberry	<i>Vaccinium corymbosum</i>	20
White Pine	<i>Pinus strobus</i>	30			
River Birch	<i>Betula nigra</i>	30			
Jefferson Elm	<i>Ulmus americana</i>	30			
White Spruce	<i>Picea glauca</i>	30			
	Total Tree Count	375		Total Shrub Count	125

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During planting soil will be amended with the addition of loam with organic matter and bio-char. Starter fertilizer will also be applied at time of planting. Plants will be supported, where needed for a period of one year, then supports shall be removed. Contingent on natural weather conditions the new plantings will be watered once a week for the first full growing seasons after the installation. The new plantings will be monitored for a period of two years after installation to ensure establishment and to prescribe and treatments that may be necessary. Full planting specifications are located in Appendix D - Planting Specifications, pages 75 – 78.

Glossary of Terms

ASCA	American Society of Consulting Arborists, professional association of arborist specializing in arboricultural consulting
Branch Union	The structural union of a lateral branch to the tree stem.
Canopy	The part of the crown composed of leaves and small twigs.
Certified Arborist	A professional arborist possessing current certification issued by the Massachusetts Arborists Association (MAA) and/or the International Society of Arboriculture (ISA)
Clinometer	A device used to measure the height of an object
Co-dominant	Stems or branches, equal in size and relative importance usually associated with either the trunk/stems or scaffold limbs/branches in the crown.
Crown	The upper part of a tree, measured from the lowest branch, including all the branches and foliage
DBH	Stands for Diameter Breast Height. The diameter of a tree measured at 4.5 feet above the ground.
Dripline	Perimeter of the area under a tree including the branches and leaves
Establishment	The process of a tree becoming acclimated to a new environment, usually correlating the new root development that can sustain normal biological functions of the tree
Included Bark	An inherent weak point where two or more stems grow independently pressing on one another
ISA	International Society of Arborists, a global, professional association of arborist
Level II Tree Risk	A visual assessment only. The tree is inspected from the Assessment ground only and diagnostic tools used
Level III Tree Risk Assessment	I more intensive inspection of the tree using diagnostic tool, such as a Resistograph and may also include inspection in the tree canopy
Parity	The time, usually in years, that it takes for a replacement tree to provide similar attributes and benefits of a removed tree
Pruning	Systematic removal of branches of a plant usually a woody perennial

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Appendix A – Maps

Full Site - Inclusive



Tree Collection Data

- | | |
|------------------|--------------------|
| ● Tree of Heaven | ● White Oak |
| ● Norway Maple | ● Buckthorn |
| ● Red Oak | ● Knottweed |
| ● Black Cherry | ● Poison Ivy |
| ● Black Locust | ● Wild Rose |
| ● Black Oak | ● Shagbark Hickory |
| ● Boxelder | |

Invasive Shrubs

- | |
|------------------|
| ■ Knottweed |
| ■ Tree of Heaven |
| ■ Boxelder |
| ■ Buckthorn |
| ■ Poison Ivy |
| ■ Wild Rose |

Area 1 – Inclusive



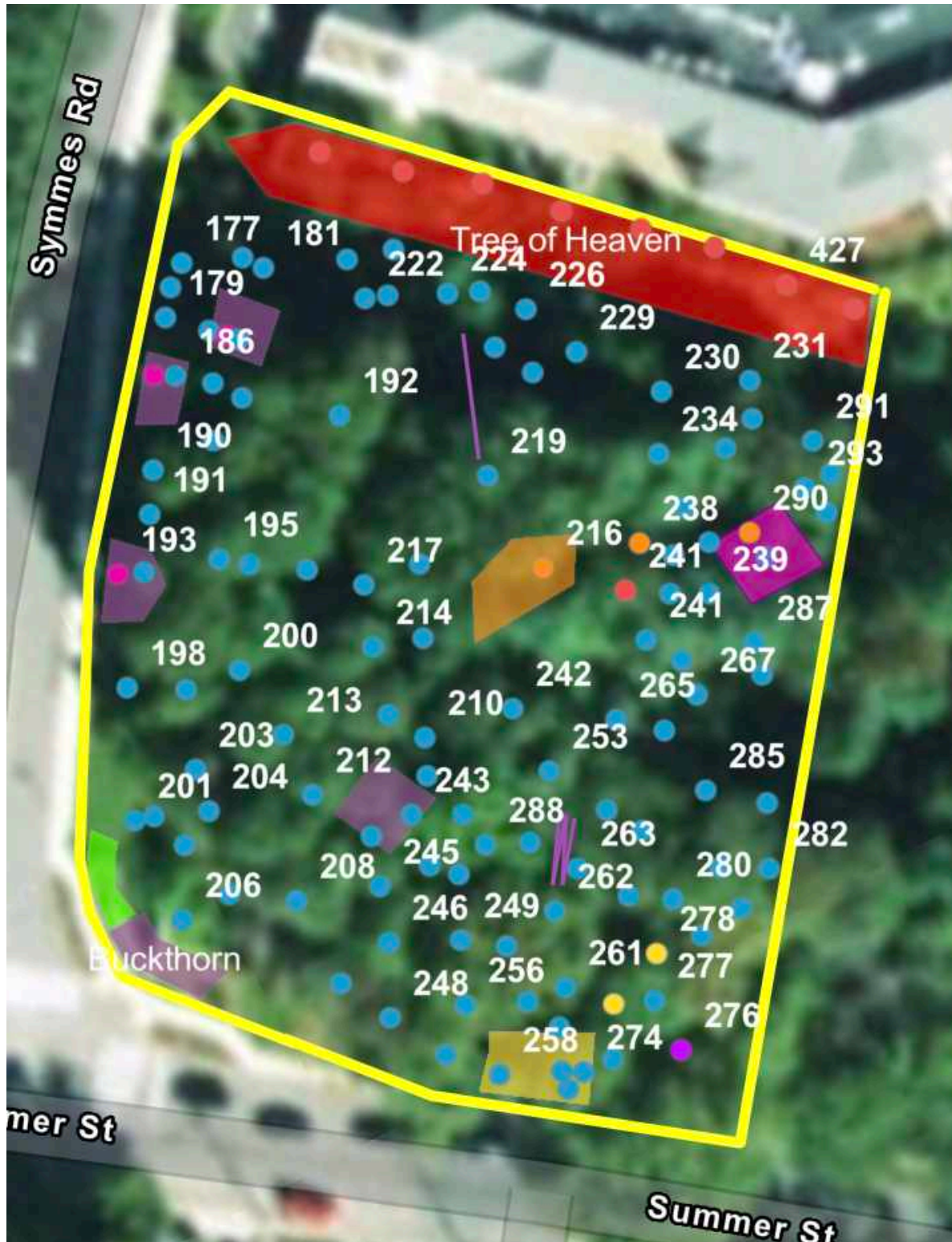
Area 1 – Trees



Area 1 – Shrubs



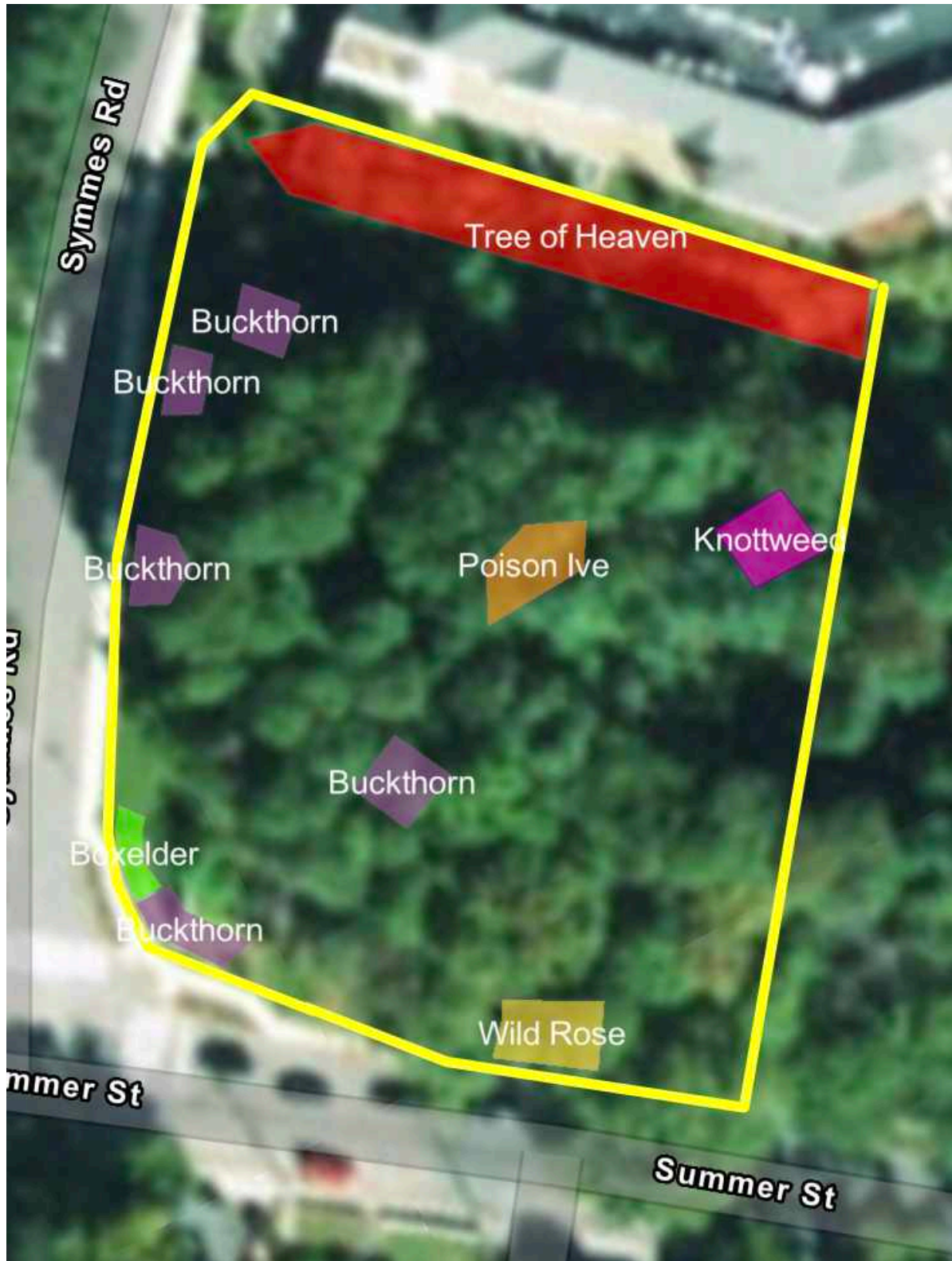
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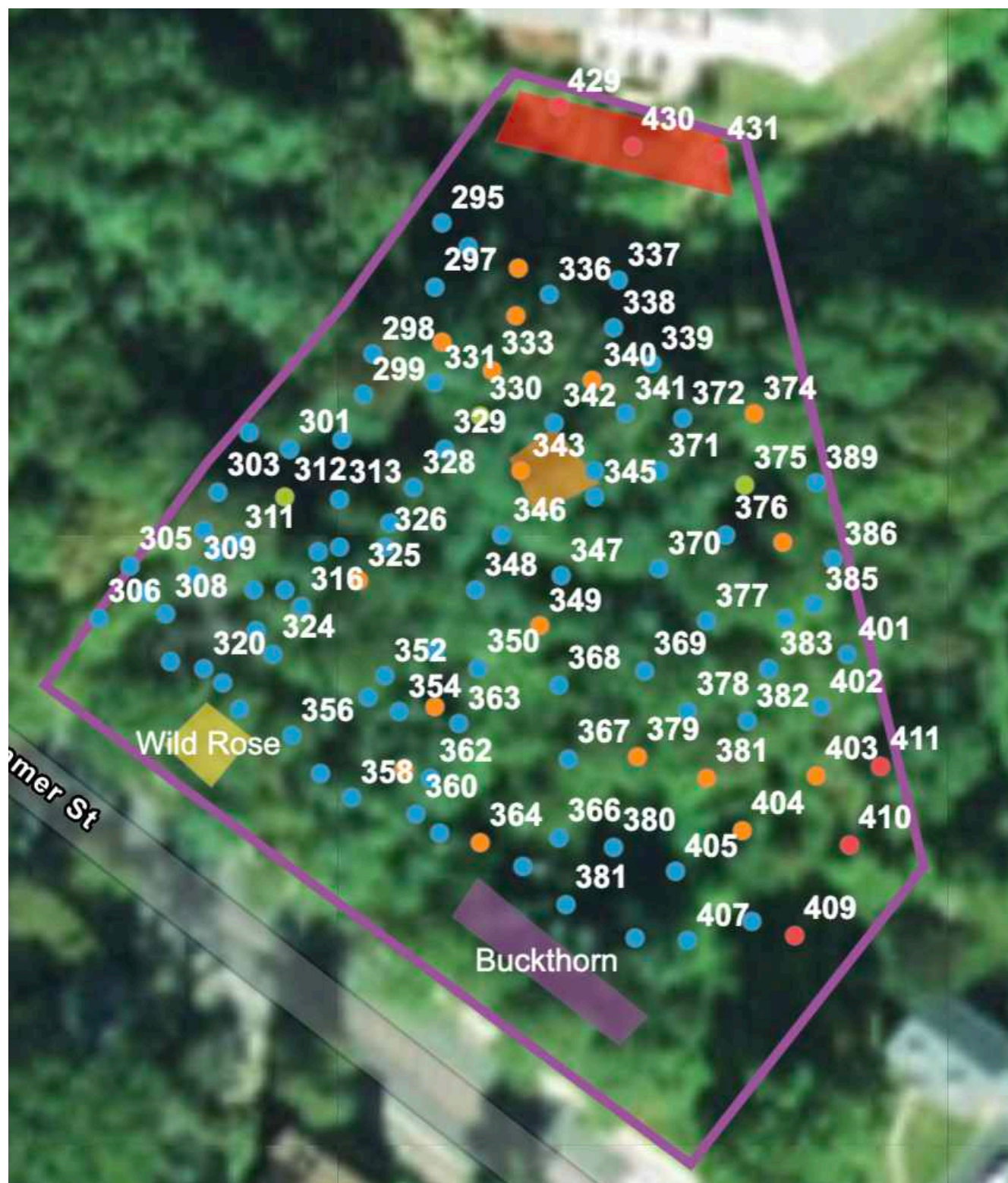
Area 2 – Trees



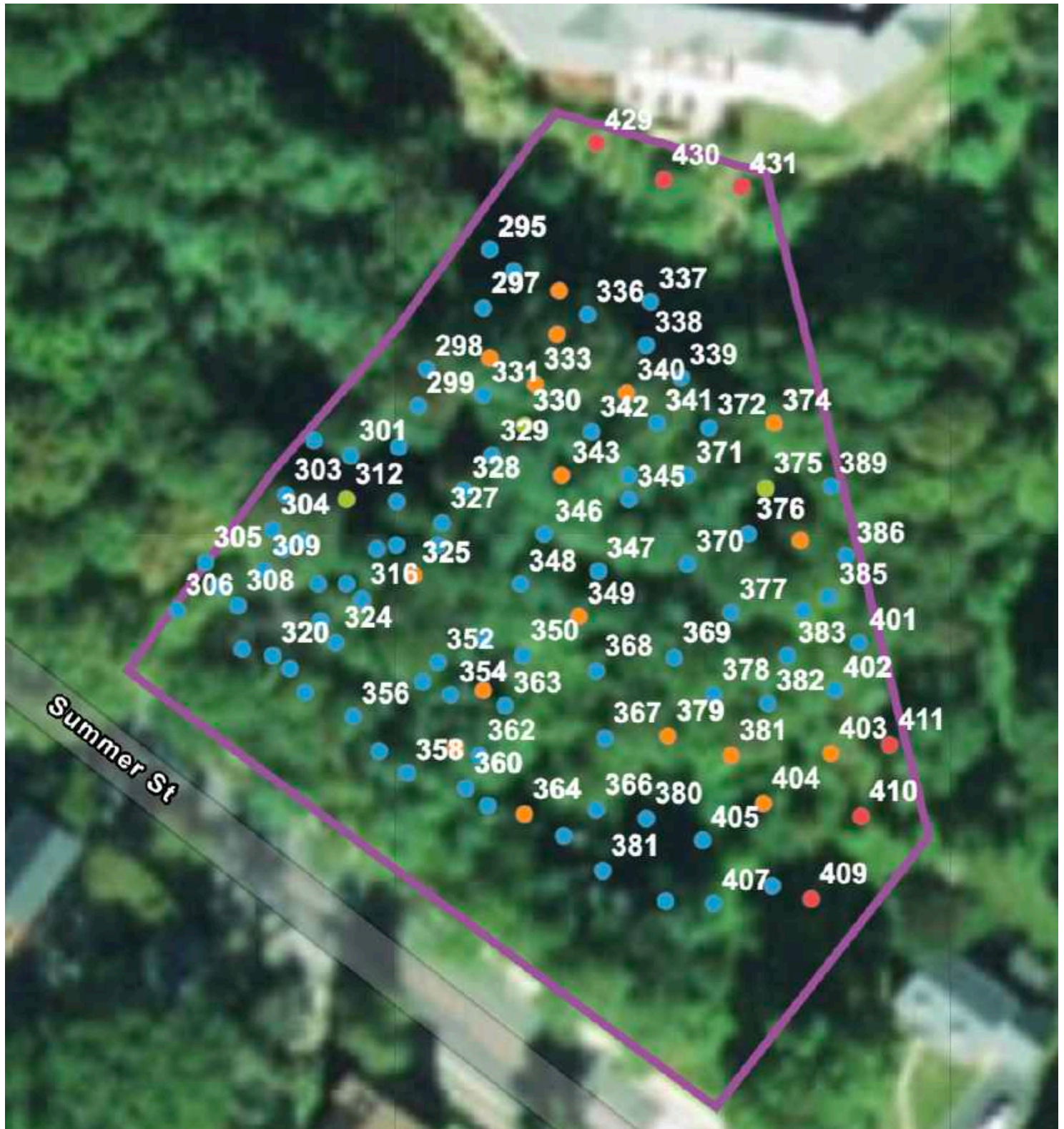
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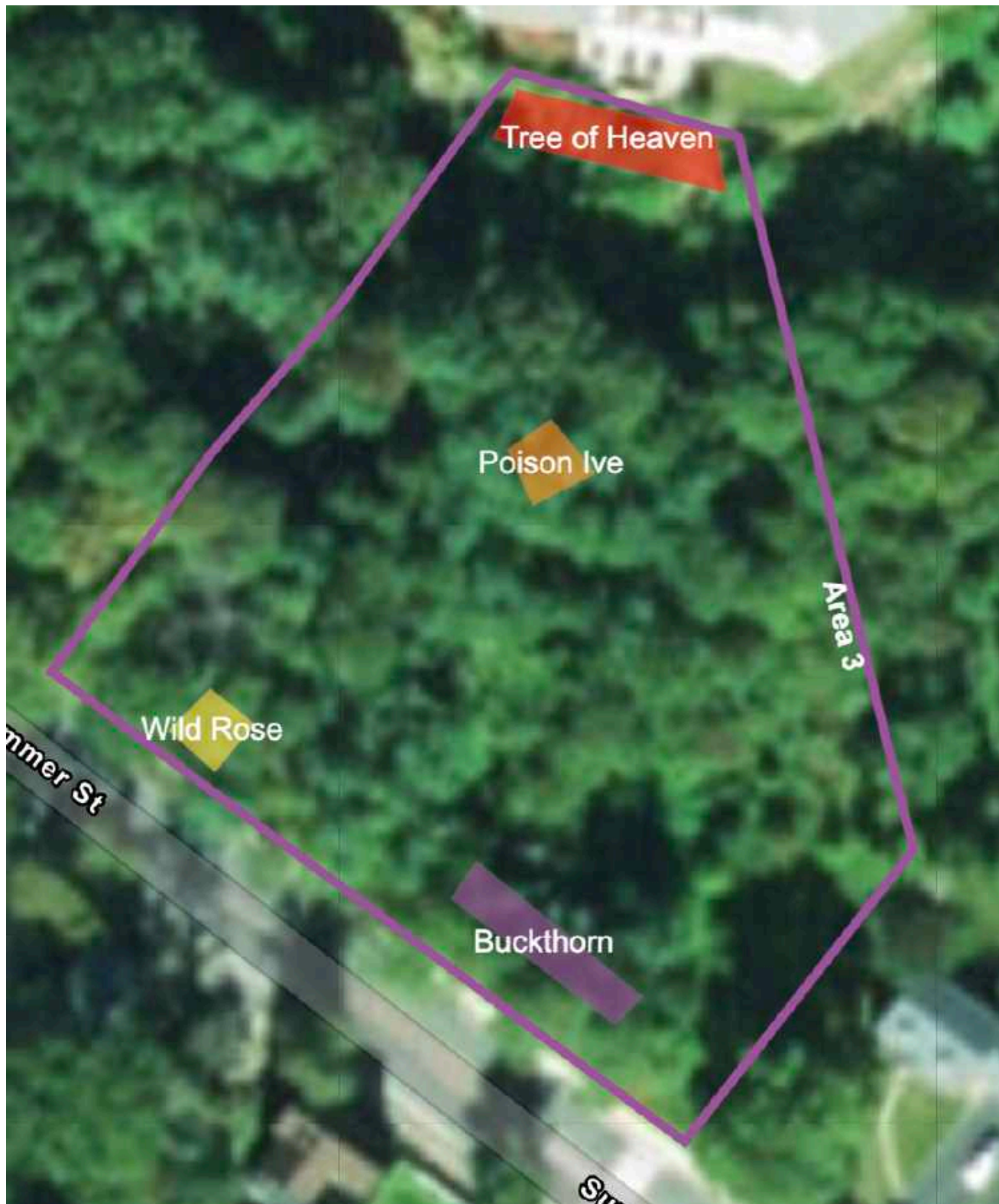
Area 3 – Inclusive



Area 3 – Trees



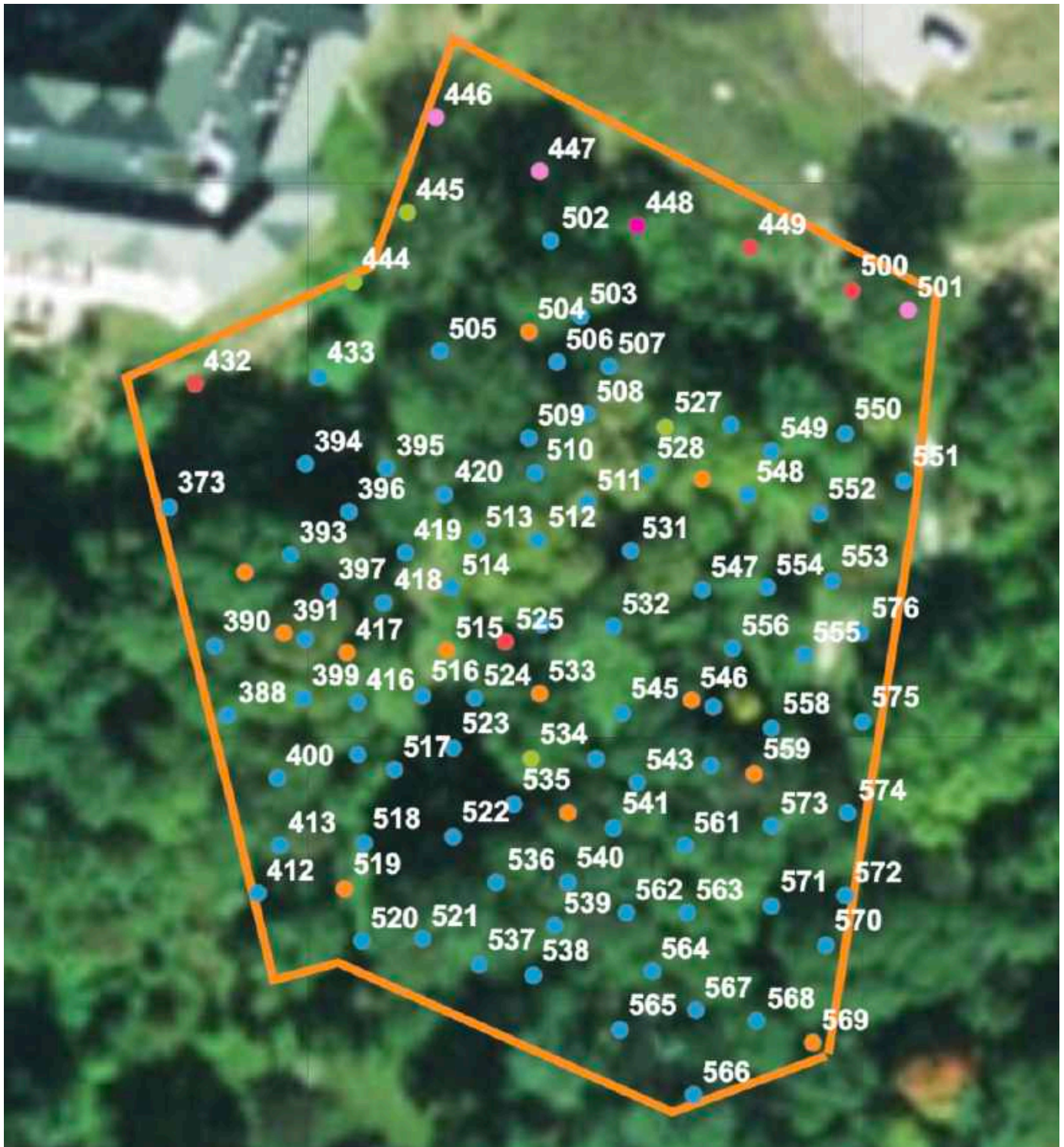
Area 3 – Shrubs



Area 4 – Inclusive



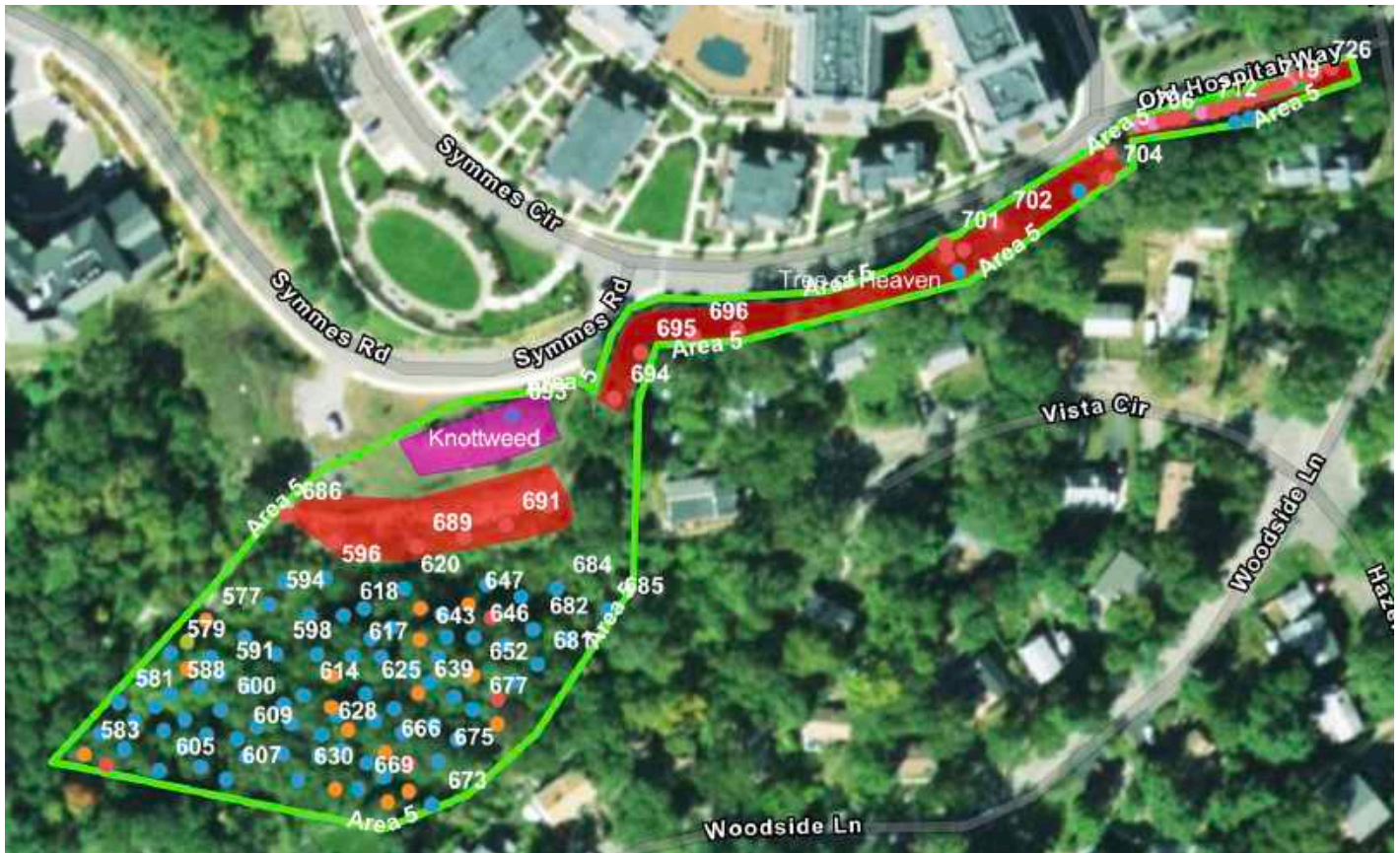
Area 4 – Trees



Area 4 – Shrubs



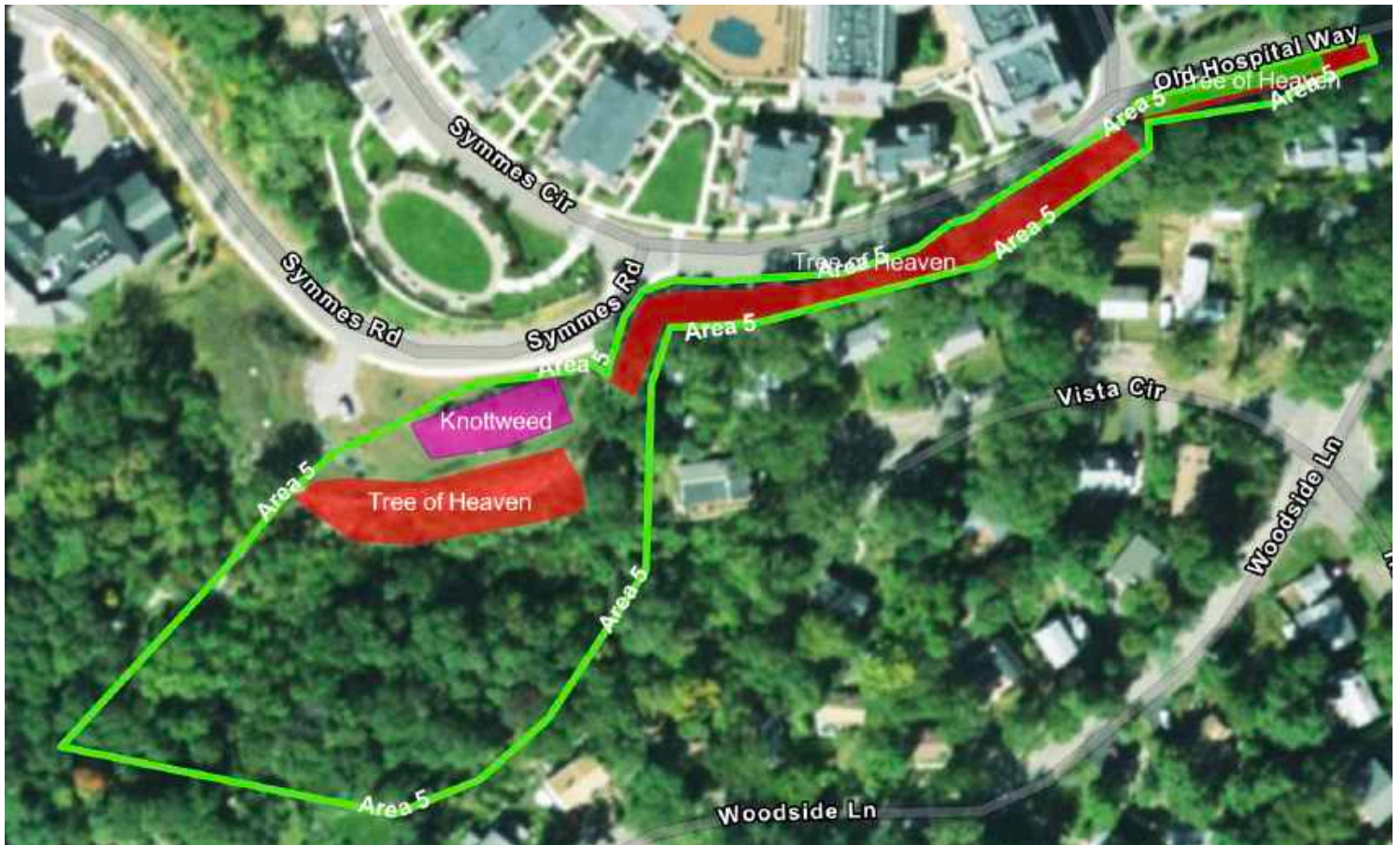
Area 5 – Inclusive



Area 5 – Trees



Area 5 – Shrubs



Appendix B –Inventory

Master Tree List

Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
1	Tree of Heaven	Ailanthus altissima	18	Cluster of sapplings near driveway	1	42.42484566	-71.16019162
2	Tree of Heaven	Ailanthus altissima	15	Cluster on hillside	1	42.42492357	-71.16073851
3	Tree of Heaven	Ailanthus altissima	30	Cluster on hillside	1	42.42484303	-71.16084491
4	Tree of Heaven	Ailanthus altissima	20	Cluster on hillside	1	42.42491462	-71.16096197
5	Black Oak	Quercus velutina	10	Dead	1	42.42501893	-71.16081431
6	Black Oak	Quercus velutina	13	Dead	1	42.42513042	-71.16087632
7	Red Oak	Quercus rubra	16	Dying	1	42.42525299	-71.16101355
8	Tree of Heaven	Ailanthus altissima	26	Mature, remove?	1	42.42529952	-71.1611481
9	Norway Maple	Acer platanoides	10		1	42.42527324	-71.16176142
10	Black Cherry	Prunus serotina	7	Dead	1	42.42515385	-71.16189084
11	Black Cherry	Prunus serotina	9	Dead	1	42.42518267	-71.16195478
12	Norway Maple	Acer platanoides	5		1	42.42514781	-71.16194143
13	Norway Maple	Acer platanoides	5		1	42.42513953	-71.16198581
14	Red Oak	Quercus rubra	6	Dead - on fence	1	42.4251094	-71.16204576
15	Norway Maple	Acer platanoides	3		1	42.42503218	-71.16200498
16	White Oak	Quercus alba	13	Dead	1	42.42500771	-71.16209452
17	Norway Maple	Acer platanoides	5	Saplings around	1	42.42482615	-71.16215634
18	Norway Maple	Acer platanoides	5		1	42.42483244	-71.16221028
19	Norway Maple	Acer platanoides	3		1	42.42478359	-71.16225021
20	Norway Maple	Acer platanoides	5		1	42.42471841	-71.16229285
21	Tree of Heaven	Ailanthus altissima	10		1	42.4243958	-71.16271635
22	Tree of Heaven	Ailanthus altissima	10		1	42.42437938	-71.16275329
23	Tree of Heaven	Ailanthus altissima	10		1	42.42438142	-71.16273344
24	Norway Maple	Acer platanoides	10		1	42.42436564	-71.16271178
25	Tree of Heaven	Ailanthus altissima	10		1	42.42436893	-71.16267893
26	Tree of Heaven	Ailanthus altissima	9		1	42.4243465	-71.16269425
27	Tree of Heaven	Ailanthus altissima	12		1	42.4243036	-71.16272655
28	Tree of Heaven	Ailanthus altissima	11		1	42.42429974	-71.16274193
29	Tree of Heaven	Ailanthus altissima	8		1	42.42427851	-71.16273884
30	Tree of Heaven	Ailanthus altissima	10		1	42.42426774	-71.16276274
31	Tree of Heaven	Ailanthus altissima	9		1	42.42425213	-71.1627573
32	Norway Maple	Acer platanoides	4		1	42.42424185	-71.16281624
33	Norway Maple	Acer platanoides	5		1	42.42422937	-71.1627773
34	Tree of Heaven	Ailanthus altissima	12		1	42.42416802	-71.16275533
35	Tree of Heaven	Ailanthus altissima	12		1	42.42416952	-71.16282845
36	Norway Maple	Acer platanoides	8		1	42.42413379	-71.16273892
37	Tree of Heaven	Ailanthus altissima	13		1	42.42418151	-71.16289344
38	Tree of Heaven	Ailanthus altissima	11		1	42.42414005	-71.1628957
39	Tree of Heaven	Ailanthus altissima	12	Stump	1	42.42412232	-71.16281402
40	Boxelder	Acer negundo	24	Cluster of three	1	42.42409199	-71.16273465
41	White Oak	Quercus alba	18	Dead	1	42.42478249	-71.16213314
42	Tree of Heaven	Ailanthus altissima	14		1	42.42402317	-71.1627737
43	Norway Maple	Acer platanoides	8		1	42.42401581	-71.16290217
44	Norway Maple	Acer platanoides	6		1	42.42402015	-71.16291766
45	Norway Maple	Acer platanoides	8		1	42.42401404	-71.16298457
46	Tree of Heaven	Ailanthus altissima	10		1	42.42400268	-71.16283122
47	Tree of Heaven	Ailanthus altissima	15	Stump	1	42.42393795	-71.16271515
48	Tree of Heaven	Alianthus altisma	12		1	42.42393604	-71.16279222
49	Tree of Heaven	Alianthus altisma	10		1	42.42393703	-71.16287985
50	Tree of Heaven	Alianthus altisma	10		1	42.42394294	-71.16298395
51	Norway Maple	Acer platanoides	10		1	42.42386079	-71.16302617
52	Tree of Heaven	Alianthus altisma	11		1	42.42388945	-71.16289946
53	Tree of Heaven	Alianthus altisma	11		1	42.42387644	-71.16280187
54	Tree of Heaven	Alianthus altisma	12		1	42.42387903	-71.16269746
55	Norway Maple	Acer platanoides	20	5-Stem cluster	1	42.42389276	-71.16264281
56	Boxelder	Acer negundo	4		1	42.42384941	-71.16262116
57	Norway Maple	Acer platanoides	16		1	42.42381754	-71.16282508

Page 1 of 12

Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
58	Norway Maple	Acer platanoides	14		1	42.42381611	-71.16294318
59	Norway Maple	Acer platanoides	14		1	42.42379849	-71.1630519
60	Black Locust	Robinia pseudoacacia	13		1	42.42373158	-71.16304551
61	Norway Maple	Acer platanoides	7		1	42.42376722	-71.16296773
62	Norway Maple	Acer platanoides	7		1	42.42376661	-71.1628949
63	Norway Maple	Acer platanoides	7		1	42.42375777	-71.16280449
64	Tree of Heaven	Ailanthus altissima	26		1	42.42377316	-71.1626861
65	Black Locust	Robinia pseudoacacia	4		1	42.42380421	-71.16261186
66	Red Oak	Quercus rubra	30	Dead	1	42.42370812	-71.16296363
67	Tree of Heaven	Ailanthus altissima	2		1	42.42378206	-71.16259909
68	Tree of Heaven	Ailanthus altissima	2		1	42.42377548	-71.16259403
69	Tree of Heaven	Ailanthus altissima	2		1	42.42377717	-71.16261288
70	Tree of Heaven	Ailanthus altissima	2		1	42.42377162	-71.16260372
71	Tree of Heaven	Ailanthus altissima	2		1	42.42373792	-71.1625177
72	Tree of Heaven	Ailanthus altissima	2		1	42.42373309	-71.16250956
73	Tree of Heaven	Ailanthus altissima	2		1	42.42372866	-71.16249957
74	Tree of Heaven	Ailanthus altissima	2		1	42.42372388	-71.16248939
75	Tree of Heaven	Ailanthus altissima	2		1	42.42371928	-71.16247972
76	Tree of Heaven	Ailanthus altissima	4		1	42.42369785	-71.16266871
77	Boxelder	Acer negundo	5		1	42.42371577	-71.16263433
78	Boxelder	Acer negundo	4		1	42.42369952	-71.16260844
79	Tree of Heaven	Ailanthus altissima	2		1	42.42367117	-71.1625151
80	Tree of Heaven	Ailanthus altissima	2		1	42.42366948	-71.16250971
81	Tree of Heaven	Ailanthus altissima	2		1	42.42366566	-71.16251466
82	Tree of Heaven	Ailanthus altissima	2		1	42.42366499	-71.16250829
83	Tree of Heaven	Ailanthus altissima	2		1	42.42366108	-71.16251382
84	Tree of Heaven	Ailanthus altissima	6		1	42.42363768	-71.1626781
85	Tree of Heaven	Ailanthus altissima	3		1	42.42362533	-71.16265387
86	Norway Maple	Acer platanoides	8		1	42.42364843	-71.16242065
87	Tree of Heaven	Ailanthus altissima	6		1	42.42363586	-71.16236069
88	Tree of Heaven	Ailanthus altissima	14		1	42.42360297	-71.16246791
89	Tree of Heaven	Ailanthus altissima	13		1	42.42358911	-71.16241829
90	Tree of Heaven	Ailanthus altissima	12		1	42.42357822	-71.16237135
91	Tree of Heaven	Ailanthus altissima	10		1	42.42356931	-71.16233514
92	Black Locust	Robinia pseudoacacia	5		1	42.42355446	-71.16229357
93	Black Locust	Robinia pseudoacacia	7		1	42.42352675	-71.16230027
94	Black Locust	Robinia pseudoacacia	6		1	42.42349804	-71.16232039
95	Tree of Heaven	Ailanthus altissima	2		1	42.42348884	-71.16226535
96	Tree of Heaven	Ailanthus altissima	2		1	42.42348092	-71.16224657
97	Tree of Heaven	Ailanthus altissima	2		1	42.42346706	-71.16223048
98	Tree of Heaven	Ailanthus altissima	2		1	42.42347399	-71.16229753
99	Norway Maple	Acer platanoides	6		1	42.42346508	-71.1622868
100	Tree of Heaven	Ailanthus altissima	2		1	42.4234624	-71.16225328
101	Tree of Heaven	Ailanthus altissima	2		1	42.42344475	-71.16224389
102	Tree of Heaven	Ailanthus altissima	4		1	42.42336768	-71.16212607
103	Tree of Heaven	Ailanthus altissima	4		1	42.4233558	-71.16207779
104	Tree of Heaven	Ailanthus altissima	3		1	42.42333204	-71.16204024
105	Boxelder	Acer negundo	14		1	42.42331485	-71.1618714
106	Black Locust	Robinia pseudoacacia	4		1	42.42332084	-71.16176705
107	Tree of Heaven	Ailanthus altissima	2		1	42.42328515	-71.16179898
108	Black Locust	Robinia pseudoacacia	3		1	42.42327525	-71.16184726
109	Boxelder	Acer negundo	3		1	42.42328119	-71.16189286
110	Black Locust	Robinia pseudoacacia	12		1	42.42329307	-71.16194114
111	Tree of Heaven	Ailanthus altissima	3		1	42.4232767	-71.16201837
112	Tree of Heaven	Ailanthus altissima	5		1	42.42329662	-71.16201392
113	Tree of Heaven	Ailanthus altissima	5		1	42.42327922	-71.16204513
114	Black Locust	Robinia pseudoacacia	12		1	42.42330708	-71.1620462

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
115	Tree of Heaven	Ailanthus altissima	5		1	42.4232857	-71.16209105
116	Tree of Heaven	Ailanthus altissima	4		1	42.42329176	-71.16212064
117	Tree of Heaven	Ailanthus altissima	3		1	42.4233261	-71.16208316
118	Boxelder	Acer negundo	4		1	42.42333996	-71.16211266
119	Tree of Heaven	Ailanthus altissima	3		1	42.4233261	-71.16214485
120	Black Locust	Robinia pseudoacacia	12		1	42.42333996	-71.16217704
121	Tree of Heaven	Ailanthus altissima	3		1	42.42333402	-71.16227091
122	Tree of Heaven	Ailanthus altissima	3		1	42.42333996	-71.1623326
123	Wild Rose	Rosa multiflora	10	Cluster	1	42.42336174	-71.16231919
124	Boxelder	Acer negundo	5		1	42.42337758	-71.16226287
125	Norway Maple	Acer platanoides	15		1	42.42341718	-71.16231383
126	Wild Rose	Rosa multiflora	10	Cluster	1	42.4234091	-71.162451
127	Boxelder	Acer negundo	15		1	42.42346723	-71.16243362
128	Tree of Heaven	Ailanthus altissima	11		1	42.42353693	-71.16245544
129	Norway Maple	Acer platanoides	12		1	42.42351744	-71.16253351
130	Wild Rose	Rosa multiflora	10	Cluster	1	42.42348722	-71.16261337
131	Wild Rose	Rosa multiflora	10	Cluster	1	42.42352981	-71.16260825
132	White Oak	Quercus alba	18	Dead	1	42.42358097	-71.16263284
133	Tree of Heaven	Ailanthus altissima	2		1	42.42352296	-71.16272231
134	Tree of Heaven	Ailanthus altissima	3		1	42.42352916	-71.16277616
135	Tree of Heaven	Ailanthus altissima	3		1	42.42352322	-71.16281908
136	Tree of Heaven	Ailanthus altissima	3		1	42.42354104	-71.16285931
137	Tree of Heaven	Ailanthus altissima	3		1	42.4235252	-71.16291295
138	Norway Maple	Acer platanoides	5		1	42.42359161	-71.1627519
139	Norway Maple	Acer platanoides	4		1	42.42364012	-71.16276128
140	Norway Maple	Acer platanoides	7		1	42.4236025	-71.16283236
141	Norway Maple	Acer platanoides	5		1	42.42358666	-71.16289539
142	Norway Maple	Acer platanoides	6		1	42.42367278	-71.16290076
143	Norway Maple	Acer platanoides	7		1	42.42363517	-71.1629772
144	Norway Maple	Acer platanoides	4		1	42.42358171	-71.16297452
145	Poison Ivy	Toxicodendron radicans	10	Cluster	1	42.42348757	-71.16298339
146	Tree of Heaven	Ailanthus altissima	3		1	42.42349551	-71.16307561
147	Tree of Heaven	Ailanthus altissima	3		1	42.42348858	-71.16311316
148	Norway Maple	Acer platanoides	7		1	42.42353617	-71.16309656
149	Shagbark Hickory	Carya ovata	12	Dead	1	42.42358565	-71.1630681
150	Norway Maple	Acer platanoides	6		1	42.42363418	-71.16306035
151	Norway Maple	Acer platanoides	6		1	42.42367377	-71.16309254
152	Norway Maple	Acer platanoides	7		1	42.42374604	-71.1631502
153	Norway Maple	Acer platanoides	5		1	42.42370941	-71.16319312
154	Norway Maple	Acer platanoides	8		1	42.4236906	-71.16323201
155	Norway Maple	Acer platanoides	12		1	42.42364804	-71.16322799
156	Norway Maple	Acer platanoides	6		1	42.4235926	-71.163173
157	Norway Maple	Acer platanoides	6		1	42.42360545	-71.16327195
158	Norway Maple	Acer platanoides	5		1	42.4236025	-71.16335271
159	Norway Maple	Acer platanoides	4		1	42.42355894	-71.16323335
160	Norway Maple	Acer platanoides	7		1	42.42351142	-71.16320385
161	Tree of Heaven	Ailanthus altissima	3		1	42.42348165	-71.16320302
162	Norway Maple	Acer platanoides	4		1	42.4234718	-71.16332828
163	Norway Maple	Acer platanoides	4		1	42.42350845	-71.16330309
164	Norway Maple	Acer platanoides	8		1	42.42355201	-71.16334869
165	Norway Maple	Acer platanoides	5		1	42.42352724	-71.16337522
166	Norway Maple	Acer platanoides	11		1	42.42348766	-71.16338758
167	Norway Maple	Acer platanoides	7		1	42.42347477	-71.16345702
168	Norway Maple	Acer platanoides	11		1	42.42344111	-71.1634007
169	Norway Maple	Acer platanoides	8		1	42.42340542	-71.16345649
170	Norway Maple	Acer platanoides	8		1	42.42305997	-71.16392775
171	Norway Maple	Acer platanoides	8		1	42.42286296	-71.16412355

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
172	Norway Maple	Acer platanoides	17		1	42.42284663	-71.16414903
173	Norway Maple	Acer platanoides	17		1	42.42281742	-71.16418457
174	Norway Maple	Acer platanoides	9		1	42.42279614	-71.16417049
175	Norway Maple	Acer platanoides	10		1	42.42277238	-71.16419664
176	Norway Maple	Acer platanoides	7		1	42.42276495	-71.16421341
177	Norway Maple	Acer platanoides	14		2	42.42308064	-71.16366586
178	Norway Maple	Acer platanoides	6		2	42.42306876	-71.16368732
179	Norway Maple	Acer platanoides	5		2	42.42304995	-71.16370743
180	Norway Maple	Acer platanoides	10		2	42.42306183	-71.16361087
181	Norway Maple	Acer platanoides	10		2	42.42304797	-71.16359612
182	Norway Maple	Acer platanoides	6		2	42.42301183	-71.16365312
183	Buckthorn	Rhamnus cathartica	10		2	42.42301728	-71.16366049
184	Norway Maple	Acer platanoides	10		2	42.42302619	-71.16367391
185	Buckthorn	Rhamnus cathartica	10		2	42.42301728	-71.16374364
186	Norway Maple	Acer platanoides	12		2	42.42300837	-71.16372487
187	Norway Maple	Acer platanoides	13		2	42.42299055	-71.16369536
188	Norway Maple	Acer platanoides	9		2	42.42297075	-71.16367793
189	Norway Maple	Acer platanoides	14		2	42.42295293	-71.16372219
190	Norway Maple	Acer platanoides	12		2	42.4229559	-71.16378991
191	Norway Maple	Acer platanoides	10		2	42.42292818	-71.16381539
192	Norway Maple	Acer platanoides	14		2	42.42292521	-71.1635988
193	Buckthorn	Rhamnus cathartica	6		2	42.42289918	-71.16387005
194	Norway Maple	Acer platanoides	16		2	42.42289155	-71.16384624
195	Norway Maple	Acer platanoides	12		2	42.42287373	-71.16377315
196	Norway Maple	Acer platanoides	5		2	42.42285987	-71.16374901
197	Norway Maple	Acer platanoides	8		2	42.42283611	-71.16370207
198	Norway Maple	Acer platanoides	12		2	42.42282225	-71.16391597
199	Norway Maple	Acer platanoides	9		2	42.42280146	-71.16386568
200	Norway Maple	Acer platanoides	5		2	42.42279454	-71.16380837
201	Norway Maple	Acer platanoides	12		2	42.42273315	-71.1639723
202	Norway Maple	Acer platanoides	12	Dead	2	42.42272919	-71.16395353
203	Norway Maple	Acer platanoides	13		2	42.42274602	-71.16389519
204	Norway Maple	Acer platanoides	12		2	42.42271335	-71.16390189
205	Norway Maple	Acer platanoides	14		2	42.42269949	-71.16393944
206	Norway Maple	Acer platanoides	12		2	42.42265296	-71.16397699
207	Norway Maple	Acer platanoides	8		2	42.42265296	-71.16392469
208	Norway Maple	Acer platanoides	14		2	42.42262425	-71.16386837
209	Norway Maple	Acer platanoides	12		2	42.42265989	-71.16369268
210	Norway Maple	Acer platanoides	9		2	42.42268563	-71.16367659
211	Norway Maple	Acer platanoides	10		2	42.42271434	-71.16369804
212	Norway Maple	Acer platanoides	6		2	42.4226886	-71.16380399
213	Norway Maple	Acer platanoides	11		2	42.42273711	-71.16379997
214	Norway Maple	Acer platanoides	12		2	42.42276384	-71.16367927
215	Norway Maple	Acer platanoides	8		2	42.42275196	-71.16363233
216	Black Locust	Robinia pseudoacacia	15		2	42.42275543	-71.16349286
217	Norway Maple	Acer platanoides	13		2	42.42280641	-71.16365915
218	Norway Maple	Acer platanoides	9		2	42.42280196	-71.1635988
219	Norway Maple	Acer platanoides	60	Multi-stem	2	42.42283413	-71.16349822
220	Norway Maple	Acer platanoides	4		2	42.4230247	-71.16351834
221	Norway Maple	Acer platanoides	4		2	42.42301579	-71.16347408
222	Norway Maple	Acer platanoides	4		2	42.42299401	-71.16352102
223	Norway Maple	Acer platanoides	4		2	42.42298807	-71.16349956
224	Norway Maple	Acer platanoides	5		2	42.42296827	-71.16344592
225	Norway Maple	Acer platanoides	5		2	42.42295738	-71.16341641
226	Norway Maple	Acer platanoides	10	Dead	2	42.42292967	-71.16338423
227	Norway Maple	Acer platanoides	5		2	42.4229168	-71.16342982
228	Norway Maple	Acer platanoides	7		2	42.42288611	-71.16340837

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
229	Norway Maple	Acer platanoides	6		2	42.42288413	-71.16336009
230	Norway Maple	Acer platanoides	12		2		
231	Norway Maple	Acer platanoides	36	Triple-Stem	2	42.42280562	-71.16322194
232	Norway Maple	Acer platanoides	8		2	42.42277895	-71.16323898
233	Norway Maple	Acer platanoides	4		2	42.42277004	-71.16327653
234	Norway Maple	Acer platanoides	10		2	42.42278879	-71.16333728
235	Norway Maple	Acer platanoides	16		2	42.42274628	-71.16334091
236	Norway Maple	Acer platanoides	10		2	42.4227146	-71.1633342
237	Norway Maple	Acer platanoides	11		2	42.42271856	-71.16337309
238	Black Locust	Robinia pseudoacacia	16		2	42.42273737	-71.16339723
239	Norway Maple	Acer platanoides	6		2	42.42267995	-71.16335968
240	Norway Maple	Acer platanoides	6		2	42.4226948	-71.16339455
241	Tree of Heaven	Ailanthus altissima	14		2	42.42271259	-71.16343066
241	Norway Maple	Acer platanoides	10		2	42.422672	-71.16343737
242	Norway Maple	Acer platanoides	11		2	42.42267497	-71.16358623
243	Norway Maple	Acer platanoides	10		2	42.42264032	-71.16372704
244	Norway Maple	Acer platanoides	4		2	42.42264131	-71.16377264
245	Norway Maple	Acer platanoides	5		2	42.42260468	-71.16378739
246	Norway Maple	Acer platanoides	8		2	42.42256535	-71.16380533
247	Norway Maple	Acer platanoides	7		2	42.42255595	-71.16386702
248	Norway Maple	Acer platanoides	14		2	42.42251536	-71.1638402
249	Norway Maple	Acer platanoides	8		2	42.42254132	-71.16374314
250	Norway Maple	Acer platanoides	4		2	42.42258488	-71.16371229
251	Norway Maple	Acer platanoides	4		2	42.42260171	-71.16373509
252	Norway Maple	Acer platanoides	9		2	42.42262349	-71.16368011
253	Norway Maple	Acer platanoides	13		2	42.42262052	-71.16358489
254	Norway Maple	Acer platanoides	5		2	42.42258092	-71.16363585
255	Norway Maple	Acer platanoides	9		2	42.42252251	-71.16370425
256	Norway Maple	Acer platanoides	18		2	42.42249875	-71.16376996
257	Norway Maple	Acer platanoides	8		2	42.42247202	-71.16380885
258	Norway Maple	Acer platanoides	10		2	42.42244034	-71.16377264
259	Norway Maple	Acer platanoides	8		2	42.42247796	-71.16371229
260	Norway Maple	Acer platanoides	7		2	42.42245024	-71.16369754
261	Norway Maple	Acer platanoides	7		2	42.42247499	-71.16367206
262	Norway Maple	Acer platanoides	10		2	42.42252845	-71.16364658
263	Norway Maple	Acer platanoides	7		2	42.42254825	-71.16360501
264	Norway Maple	Acer platanoides	12		2	42.42257597	-71.16355136
265	Norway Maple	Acer platanoides	14		2	42.42263042	-71.16350174
266	Norway Maple	Acer platanoides	8		2	42.42264728	-71.16341601
267	Norway Maple	Acer platanoides	14		2	42.42261858	-71.16341735
268	Norway Maple	Acer platanoides	10		2	42.42260769	-71.16346295
269	Norway Maple	Acer platanoides	9		2	42.42255023	-71.1635299
270	Norway Maple	Acer platanoides	4		2	42.42251162	-71.16357416
271	Black Oak	Quercus velutina	50	Dead	2	42.42244727	-71.16363853
272	Norway Maple	Acer platanoides	9		2	42.42242054	-71.16371632
273	Norway Maple	Acer platanoides	4		2	42.42240668	-71.163719
274	Norway Maple	Acer platanoides	7		2	42.42241262	-71.16369754
275	Norway Maple	Acer platanoides	6		2	42.42241163	-71.16366535
276	Shagbark Hickory	Carya ovata	4	Dead	2	42.42239282	-71.16359964
277	Norway Maple	Acer platanoides	7		2	42.4224344	-71.16360098
278	Black Oak	Quercus velutina	30	Dead	2	42.4224641	-71.1635755
279	Norway Maple	Acer platanoides	16		2	42.42245968	-71.16352799
280	Norway Maple	Acer platanoides	10		2	42.42249479	-71.16353661
281	Norway Maple	Acer platanoides	4		2	42.42246463	-71.16347971
282	Norway Maple	Acer platanoides	4		2	42.42248047	-71.16343545
283	Norway Maple	Acer platanoides	12		2	42.4224973	-71.16347837
284	Norway Maple	Acer platanoides	7		2	42.42252304	-71.16340729

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
285	Norway Maple	Acer platanoides	4		2	42.42255274	-71.16345557
286	Norway Maple	Acer platanoides	4		2	42.42260818	-71.16335097
287	Norway Maple	Acer platanoides	12		2	42.42263293	-71.16334158
288	Norway Maple	Acer platanoides	12		2	42.42259478	-71.16367474
289	Knotweed	Fallopia japonica	10		2	42.4226849	-71.16329129
290	Black Locust	Robinia pseudoacacia	15		2	42.42270668	-71.16329531
291	Norway Maple	Acer platanoides	4		2	42.42274331	-71.16319607
292	Norway Maple	Acer platanoides	5		2	42.42271559	-71.16319607
293	Norway Maple	Acer platanoides	6		2	42.42271658	-71.16322557
294	Norway Maple	Acer platanoides	4		2	42.42269183	-71.16321753
295	Norway Maple	Acer platanoides	6		3	42.42270048	-71.16313662
296	Norway Maple	Acer platanoides	6		3	42.42268068	-71.16310577
297	Norway Maple	Acer platanoides	14		3	42.42264801	-71.16314332
298	Norway Maple	Acer platanoides	9		3	42.42259158	-71.1632144
299	Norway Maple	Acer platanoides	4		3	42.42255792	-71.16322513
300	Norway Maple	Acer platanoides	9		3	42.4225203	-71.16324927
301	Norway Maple	Acer platanoides	10		3	42.42251337	-71.16330828
302	Norway Maple	Acer platanoides	6		3	42.42252601	-71.16335231
303	Norway Maple	Acer platanoides	4		3	42.4224775	-71.16338718
304	Norway Maple	Acer platanoides	4		3	42.42244582	-71.16340461
305	Norway Maple	Acer platanoides	5		3	42.42241612	-71.16348776
306	Norway Maple	Acer platanoides	11		3	42.42237256	-71.16352263
307	Norway Maple	Acer platanoides	8		3	42.42239434	-71.16347166
308	Norway Maple	Acer platanoides	8		3	42.42237652	-71.16344618
309	Norway Maple	Acer platanoides	7		3	42.4224082	-71.16341534
310	Norway Maple	Acer platanoides	12		3	42.42242701	-71.16338986
311	Norway Maple	Acer platanoides	4		3	42.42243493	-71.16336706
312	Red Oak	Quercus rubra	50	Dead	3	42.42247377	-71.1633123
313	Norway Maple	Acer platanoides	5		3	42.42247179	-71.16325061
314	Norway Maple	Acer platanoides	10		3	42.4224312	-71.16325195
315	Norway Maple	Acer platanoides	6		3	42.42242724	-71.16327475
316	Norway Maple	Acer platanoides	10		3	42.42238269	-71.16329487
317	Norway Maple	Acer platanoides	11		3	42.42239655	-71.16331364
318	Norway Maple	Acer platanoides	8		3	42.42239556	-71.16334851
319	Norway Maple	Acer platanoides	5		3	42.42233716	-71.16344105
320	Norway Maple	Acer platanoides	10		3	42.42233023	-71.1634035
321	Norway Maple	Acer platanoides	8		3	42.42231835	-71.16338338
322	Norway Maple	Acer platanoides	10		3	42.42229657	-71.16336326
323	Norway Maple	Acer platanoides	18		3	42.4223629	-71.16334583
324	Norway Maple	Acer platanoides	10		3	42.4223431	-71.16332571
325	Black Locust	Robinia pseudoacacia	12		3	42.42240348	-71.16322915
326	Norway Maple	Acer platanoides	4		3	42.42243219	-71.16319965
327	Norway Maple	Acer platanoides	12		3	42.42245199	-71.16319428
328	Norway Maple	Acer platanoides	6		3	42.4224807	-71.1631688
329	Norway Maple	Acer platanoides	8		3	42.42251337	-71.16313394
330	Red Oak	Quercus rubra	10	Dead	3	42.42254109	-71.1630937
331	Norway Maple	Acer platanoides	5		3	42.42256782	-71.16314466
332	Black Locust	Robinia pseudoacacia	12		3	42.42260247	-71.16313528
333	Black Locust	Robinia pseudoacacia	16		3	42.42257871	-71.16308029
334	Black Locust	Robinia pseudoacacia	11		3	42.42262326	-71.16305347
335	Black Locust	Robinia pseudoacacia	12		3	42.42266286	-71.16305079
336	Norway Maple	Acer platanoides	12		3	42.42264108	-71.16301592
337	Norway Maple	Acer platanoides	12		3	42.42265324	-71.1629362
338	Norway Maple	Acer platanoides	10		3	42.42261275	-71.16294229
339	Norway Maple	Acer platanoides	10		3	42.42258414	-71.16289887
340	Black Locust	Robinia pseudoacacia	12		3	42.42256988	-71.16296541
341	Norway Maple	Acer platanoides	9		3	42.42254157	-71.16292972

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
342	Norway Maple	Acer platanoides	10		3	42.42253501	-71.16300938
343	Black Locust	Robinia pseudoacacia	12		3	42.42249514	-71.1630459
344	Norway Maple	Acer platanoides	7		3	42.42247722	-71.16296459
345	Norway Maple	Acer platanoides	8	Dual-stem	3	42.42247327	-71.16296364
346	Norway Maple	Acer platanoides	7		3	42.42244146	-71.16306739
347	Norway Maple	Acer platanoides	8		3	42.42240696	-71.16300255
348	Norway Maple	Acer platanoides	7		3	42.42239607	-71.16309911
349	Black Locust	Robinia pseudoacacia	16		3	42.42236539	-71.16302534
350	Norway Maple	Acer platanoides	10		3	42.42233115	-71.16309573
351	Norway Maple	Acer platanoides	7		3	42.42234455	-71.16314288
352	Norway Maple	Acer platanoides	4		3	42.42232418	-71.16320023
353	Norway Maple	Acer platanoides	4		3	42.42230636	-71.16321767
354	Norway Maple	Acer platanoides	7		3	42.42229383	-71.16318444
355	Black Locust	Robinia pseudoacacia	6		3	42.42229855	-71.16314466
356	Norway Maple	Acer platanoides	14		3	42.42227479	-71.1633056
357	Norway Maple	Acer platanoides	8		3	42.42224311	-71.16327207
358	Norway Maple	Acer platanoides	5		3	42.42222331	-71.1632372
359	Black Locust	Robinia pseudoacacia	6		3	42.42224707	-71.16317953
360	Norway Maple	Acer platanoides	6		3	42.42221044	-71.16316612
361	Norway Maple	Acer platanoides	8		3	42.4221946	-71.1631393
362	Norway Maple	Acer platanoides	5		3	42.42224014	-71.16315003
363	Norway Maple	Acer platanoides	4		3	42.42228451	-71.16311737
364	Black Locust	Robinia pseudoacacia	12		3	42.42218668	-71.16309236
365	Norway Maple	Acer platanoides	8		3	42.42216589	-71.16304542
366	Norway Maple	Acer platanoides	4		3	42.42219064	-71.16300385
367	Norway Maple	Acer platanoides	5		3	42.4222561	-71.16299448
368	Norway Maple	Acer platanoides	7		3	42.42231711	-71.16300417
369	Norway Maple	Acer platanoides	8		3	42.42232935	-71.16290865
370	Norway Maple	Acer platanoides	7		3	42.42241278	-71.16289117
371	Norway Maple	Acer platanoides	6		3	42.42249406	-71.16289256
372	Norway Maple	Acer platanoides	6		3	42.42253861	-71.1628644
373	Norway Maple	Acer platanoides	10		4	42.42265215	-71.16273769
374	Black Locust	Robinia pseudoacacia	12		3	42.42254257	-71.16278527
375	Red Oak	Quercus rubra	24	Dead	3	42.42248379	-71.162796
376	Norway Maple	Acer platanoides	8		3	42.42244221	-71.16281746
377	Norway Maple	Acer platanoides	7		3	42.4223694	-71.16283694
378	Norway Maple	Acer platanoides	12		3	42.42229569	-71.16286037
379	Black Locust	Robinia pseudoacacia	12		3	42.42225808	-71.1629167
380	Norway Maple	Acer platanoides	7		3	42.42218272	-71.1629435
381	Norway Maple	Acer platanoides	8		3	42.4221352	-71.16299714
381	Black Locust	Robinia pseudoacacia	12		3	42.42224026	-71.16283892
382	Norway Maple	Acer platanoides	8		3	42.42228603	-71.16279218
383	Norway Maple	Acer platanoides	9		3	42.42233058	-71.16276669
384	Norway Maple	Acer platanoides	10		3	42.42237117	-71.16274926
385	Norway Maple	Acer platanoides	7		3	42.42238404	-71.16271573
386	Norway Maple	Acer platanoides	11		3	42.42242067	-71.16269428
387	Black Locust	Robinia pseudoacacia	12		3	42.42243453	-71.1627506
388	Norway Maple	Acer platanoides	4		4	42.42246126	-71.16266477
389	Norway Maple	Acer platanoides	6		3	42.42248402	-71.16271471
390	Norway Maple	Acer platanoides	12		4	42.42252537	-71.16268335
391	Black Locust	Robinia pseudoacacia	12		4	42.42253645	-71.16259625
392	Black Locust	Robinia pseudoacacia	12		4	42.42259233	-71.16264475
393	Norway Maple	Acer platanoides	8		4	42.42260773	-71.1625882
394	Norway Maple	Acer platanoides	7		4	42.42269116	-71.16257072
395	Norway Maple	Acer platanoides	8		4	42.42268649	-71.16246898
396	Norway Maple	Acer platanoides	7		4	42.42264778	-71.16251649
397	Norway Maple	Acer platanoides	12		4	42.42257407	-71.16253993

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
398	Norway Maple	Acer platanoides	12		4	42.42253095	-71.16256965
399	Norway Maple	Acer platanoides	6		4	42.42247749	-71.16257233
400	Norway Maple	Acer platanoides	8		4	42.42240423	-71.16260452
401	Norway Maple	Acer platanoides	8		3	42.42234246	-71.16267818
402	Norway Maple	Acer platanoides	10		3	42.4222989	-71.16270903
403	Black Locust	Robinia pseudoacacia	12		3	42.42224224	-71.16271553
404	Black Locust	Robinia pseudoacacia	10		3	42.4221967	-71.16279868
405	Norway Maple	Acer platanoides	10		3	42.42216193	-71.16287376
406	Norway Maple	Acer platanoides	12		3	42.42210649	-71.16291802
407	Norway Maple	Acer platanoides	4		3	42.42210451	-71.16285901
408	Norway Maple	Acer platanoides	12		3	42.42212035	-71.16278659
409	Tree of Heaven	Ailanthus altissima	4		3	42.42209681	-71.16269513
410	Tree of Heaven	Ailanthus altissima	6		3	42.42218482	-71.16267798
411	Tree of Heaven	Ailanthus altissima	5		3	42.42224979	-71.16264207
412	Norway Maple	Acer platanoides	4		4	42.42229929	-71.16262866
413	Norway Maple	Acer platanoides	4		4	42.42234285	-71.16260184
414	Norway Maple	Acer platanoides	7		4	42.42241579	-71.16246001
416	Norway Maple	Acer platanoides	10		4	42.42247359	-71.1625048
417	Black Locust	Robinia pseudoacacia	12		4	42.42251863	-71.16251847
418	Norway Maple	Acer platanoides	8		4	42.4225644	-71.16247173
419	Norway Maple	Acer platanoides	9		4	42.42260895	-71.16244625
420	Norway Maple	Acer platanoides	10		4	42.42266292	-71.16239658
421	Tree of Heaven	Ailanthus altissima	3		2	42.42310359	-71.16349187
422	Tree of Heaven	Ailanthus altissima	3		2	42.42306275	-71.16342824
423	Tree of Heaven	Ailanthus altissima	3		2	42.42302599	-71.16336462
424	Tree of Heaven	Ailanthus altissima	3		2	42.42298106	-71.16330653
425	Tree of Heaven	Ailanthus altissima	3		2	42.42294226	-71.16324567
426	Tree of Heaven	Ailanthus altissima	3		2	42.42290347	-71.16319034
427	Tree of Heaven	Ailanthus altissima	3		2	42.42285446	-71.16314331
428	Tree of Heaven	Ailanthus altissima	3		2	42.42281566	-71.16309629
429	Tree of Heaven	Ailanthus altissima	3		3	42.42279728	-71.163005
430	Tree of Heaven	Ailanthus altissima	3		3	42.42276461	-71.16292201
431	Tree of Heaven	Ailanthus altissima	3		3	42.42275848	-71.16282519
432	Tree of Heaven	Ailanthus altissima	3		4	42.42276461	-71.16270624
433	Norway Maple	Acer platanoides	7		4	42.4227546	-71.16237716
444	Red Oak	Quercus rubra	14	Dead	4	42.4228565	-71.16250983
445	Red Oak	Quercus rubra	16	Dead	4	42.4229198	-71.16244344
446	Boxelder	Acer negundo	6		4	42.42300773	-71.16240964
447	Boxelder	Acer negundo	6		4	42.42295866	-71.16228072
448	Buckthorn	Acer negundo	6		4	42.4229081	-71.16215986
449	Tree of Heaven	Ailanthus altissima	3		4	42.42288917	-71.1620202
500	Tree of Heaven	Ailanthus altissima	3		4	42.42285037	-71.16189295
501	Boxelder	Acer negundo	6		4	42.42283078	-71.16182346
502	Norway Maple	Acer platanoides	12		4	42.42289502	-71.1622652
503	Norway Maple	Acer platanoides	10		4	42.42282592	-71.16222788
504	Black Locust	Robinia pseudoacacia	12		4	42.42281166	-71.16229442
505	Norway Maple	Acer platanoides	10		4	42.42285453	-71.1622713
506	Norway Maple	Acer platanoides	9		4	42.42278335	-71.16225872
507	Norway Maple	Acer platanoides	6		4	42.42278039	-71.1621934
508	Norway Maple	Acer platanoides	6		4	42.42273584	-71.16222157
509	Norway Maple	Acer platanoides	8	Dual-stem	4	42.42271505	-71.16229264
510	Norway Maple	Acer platanoides	8		4	42.4226826	-71.16228407
511	Norway Maple	Acer platanoides	7		4	42.42265456	-71.16222017
512	Norway Maple	Acer platanoides	4		4	42.42262122	-71.16228139
513	Norway Maple	Acer platanoides	8		4	42.42262083	-71.16235773
514	Norway Maple	Acer platanoides	10		4	42.42257727	-71.16238858
515	Black Locust	Robinia pseudoacacia	12		4	42.42252061	-71.16239509

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
516	Norway Maple	Acer platanoides	9		4	42.42248014	-71.16242515
517	Norway Maple	Acer platanoides	8	Dual-stem	4	42.42241185	-71.16245907
518	Norway Maple	Acer platanoides	8		4	42.42234554	-71.16249797
519	Black Locust	Robinia pseudoacacia	16		4	42.42230396	-71.16252077
520	Norway Maple	Acer platanoides	7		4	42.42225569	-71.16249996
521	Norway Maple	Acer platanoides	5		4	42.42225779	-71.16242555
522	Norway Maple	Acer platanoides	7		4	42.42235136	-71.16238659
523	Norway Maple	Acer platanoides	6		4	42.42243264	-71.16238799
524	Norway Maple	Acer platanoides	6		4	42.42247719	-71.16235982
525	Tree of Heaven	Ailanthus altissima	5		4	42.42252817	-71.16232162
526	Norway Maple	Acer platanoides	4		4	42.42257767	-71.16230821
527	Red Oak	Quercus rubra	24	Dead	4	42.42272557	-71.16212501
528	Norway Maple	Acer platanoides	8		4	42.42268399	-71.16214646
529	Norway Maple	Acer platanoides	6		4	42.4227258	-71.16204371
530	Black Locust	Robinia pseudoacacia	12		4	42.42267631	-71.16207961
531	Norway Maple	Acer platanoides	7		4	42.42261118	-71.16216594
532	Norway Maple	Acer platanoides	10		4	42.42261295	-71.16207827
533	Black Locust	Robinia pseudoacacia	12		4	42.42248115	-71.1622807
534	Red Oak	Quercus rubra	24	Dead	4	42.42242237	-71.16229143
535	Norway Maple	Acer platanoides	8		4	42.42238079	-71.16231288
536	Norway Maple	Acer platanoides	7		4	42.42230798	-71.16233236
537	Norway Maple	Acer platanoides	12		4	42.42223427	-71.1623558
538	Norway Maple	Acer platanoides	8		4	42.4222246	-71.1622876
539	Norway Maple	Acer platanoides	9		4	42.42226915	-71.16226212
540	Norway Maple	Acer platanoides	10		4	42.42230974	-71.16224469
541	Norway Maple	Acer platanoides	11		4	42.42235924	-71.1621897
542	Black Locust	Robinia pseudoacacia	12		4	42.4223731	-71.16224603
543	Norway Maple	Acer platanoides	4		4	42.42239983	-71.1621602
544	Norway Maple	Acer platanoides	6		4	42.4224226	-71.16221013
545	Norway Maple	Acer platanoides	12		4	42.42246395	-71.16217877
546	Black Locust	Robinia pseudoacacia	12		4	42.42247502	-71.16209168
547	Norway Maple	Acer platanoides	7		4	42.42262582	-71.16204474
548	Norway Maple	Acer platanoides	11		4	42.42266245	-71.16202328
549	Norway Maple	Acer platanoides	4		4	42.42270304	-71.16199378
550	Norway Maple	Acer platanoides	6		4	42.42271927	-71.16190134
551	Norway Maple	Acer platanoides	7		4	42.42242716	-71.16170482
552	Norway Maple	Acer platanoides	8		4	42.42264601	-71.16193353
553	Norway Maple	Acer platanoides	9		4	42.4225847	-71.1619188
554	Norway Maple	Acer platanoides	10		4	42.42257814	-71.16199846
555	Norway Maple	Acer platanoides	8	Dual-stem	4	42.4225164	-71.16195272
556	Norway Maple	Acer platanoides	7		4	42.42252035	-71.16195367
557	Norway Maple	Acer platanoides	12		4	42.42246952	-71.16206508
558	Norway Maple	Acer platanoides	8		4	42.42245009	-71.16199163
559	Black Locust	Robinia pseudoacacia	16		4	42.42240851	-71.16201443
560	Norway Maple	Acer platanoides	6		4	42.42241607	-71.16206776
561	Norway Maple	Acer platanoides	8		4	42.42234281	-71.16209995
562	Norway Maple	Acer platanoides	8		4	42.42228103	-71.16217361
563	Norway Maple	Acer platanoides	4		4	42.42228143	-71.16209727
564	Norway Maple	Acer platanoides	10		4	42.42222702	-71.16214072
565	Norway Maple	Acer platanoides	8		4	42.42217514	-71.16218101
566	Norway Maple	Acer platanoides	10		4	42.42208203	-71.16209593
567	Norway Maple	Acer platanoides	4		4	42.42219212	-71.16208691
568	Norway Maple	Acer platanoides	12		4	42.42218199	-71.16201057
569	Black Locust	Robinia pseudoacacia	12		4	42.42216184	-71.16194308
570	Norway Maple	Acer platanoides	8		4	42.42225205	-71.16192643
571	Norway Maple	Acer platanoides	8		4	42.4222879	-71.16199217
572	Norway Maple	Acer platanoides	9		4	42.4222966	-71.16190095

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
573	Norway Maple	Acer platanoides	7		4	42.42236024	-71.16199325
574	Norway Maple	Acer platanoides	8		4	42.42237248	-71.16189774
575	Norway Maple	Acer platanoides	7		4	42.42245591	-71.16188025
576	Norway Maple	Acer platanoides	6		4	42.42253719	-71.16188164
577	Black Locust	Robinia pseudoacacia	12		5	42.4225857	-71.16177436
578	Red Oak	Quercus rubra	24	Dead	5	42.42252692	-71.16178508
579	Norway Maple	Acer platanoides	8		5	42.42248534	-71.16180654
580	Norway Maple	Acer platanoides	7		5	42.42241253	-71.16182602
581	Norway Maple	Acer platanoides	12		5	42.42233882	-71.16184946
582	Norway Maple	Acer platanoides	10		5	42.42226492	-71.16184329
583	Black Locust	Robinia pseudoacacia	12		5	42.42220826	-71.16184979
584	Tree of Heaven	Ailanthus altissima	5		5	42.42221581	-71.16177633
585	Norway Maple	Acer platanoides	4		5	42.42226531	-71.16176292
586	Norway Maple	Acer platanoides	8		5	42.42232916	-71.16178126
587	Norway Maple	Acer platanoides	9		5	42.42237371	-71.16175578
588	Norway Maple	Acer platanoides	10		5	42.42241429	-71.16173834
589	Norway Maple	Acer platanoides	11		5	42.42246379	-71.16168336
590	Black Locust	Robinia pseudoacacia	12		5	42.42247765	-71.16173969
591	Norway Maple	Acer platanoides	4		5	42.42250438	-71.16165385
592	Norway Maple	Acer platanoides	6		5	42.42252715	-71.16170379
593	Norway Maple	Acer platanoides	12		5	42.4225685	-71.16167243
594	Norway Maple	Acer platanoides	7		5	42.42268763	-71.16164916
595	Norway Maple	Acer platanoides	4		5	42.42274518	-71.16165145
596	Norway Maple	Acer platanoides	6		5	42.42279768	-71.16156038
597	Norway Maple	Acer platanoides	6		5	42.42271635	-71.16153834
598	Norway Maple	Acer platanoides	12		5	42.42257408	-71.16155874
599	Norway Maple	Acer platanoides	6		5	42.42252062	-71.16156142
600	Norway Maple	Acer platanoides	8		5	42.42244736	-71.1615936
601	Norway Maple	Acer platanoides	8		5	42.42238559	-71.16166727
602	Norway Maple	Acer platanoides	10		5	42.42234203	-71.16169811
603	Norway Maple	Acer platanoides	4		5	42.42238598	-71.16159092
604	Norway Maple	Acer platanoides	4		5	42.42234242	-71.16161774
605	Norway Maple	Acer platanoides	8		5	42.42222749	-71.16163834
606	Norway Maple	Acer platanoides	6		5	42.42232417	-71.16155131
607	Norway Maple	Acer platanoides	4		5	42.42233203	-71.16147371
608	Norway Maple	Acer platanoides	4		5	42.4223933	-71.16146265
609	Norway Maple	Acer platanoides	6		5	42.42241606	-71.16151258
610	Norway Maple	Acer platanoides	6		5	42.42244351	-71.16138334
611	Norway Maple	Acer platanoides	12		5	42.42245741	-71.16148122
612	Norway Maple	Acer platanoides	4		5	42.42250569	-71.16140776
613	Norway Maple	Acer platanoides	6		5	42.42252846	-71.1614577
614	Norway Maple	Acer platanoides	12		5	42.42256981	-71.16142634
615	Black Locust	Robinia pseudoacacia	12		5	42.42263676	-71.16138775
616	Norway Maple	Acer platanoides	10		5	42.42265495	-71.16145853
617	Norway Maple	Acer platanoides	8		5	42.42269529	-71.16137192
618	Norway Maple	Acer platanoides	12		5	42.42275408	-71.16145467
619	Norway Maple	Acer platanoides	6		5	42.42279115	-71.16141801
620	Norway Maple	Acer platanoides	10		5	42.42287534	-71.161354
621	Black Locust	Robinia pseudoacacia	12		5	42.42285716	-71.16128322
622	Norway Maple	Acer platanoides	12		5	42.4227902	-71.16132181
623	Norway Maple	Acer platanoides	6		5	42.42274885	-71.16135317
624	Norway Maple	Acer platanoides	4		5	42.42272608	-71.16130323
625	Norway Maple	Acer platanoides	8		5	42.42264468	-71.16128046
626	Black Locust	Robinia pseudoacacia	12		5	42.42258088	-71.16133924
627	Norway Maple	Acer platanoides	12		5	42.42257538	-71.16131264
628	Norway Maple	Acer platanoides	6		5	42.42252193	-71.16131533
629	Norway Maple	Acer platanoides	12		5	42.42248486	-71.16135198

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
630	Norway Maple	Acer platanoides	4		5	42.42241666	-71.16130021
631	Norway Maple	Acer platanoides	10		5	42.42251802	-71.1612478
632	Black Locust	Robinia pseudoacacia	12		5	42.42256306	-71.16126146
633	Norway Maple	Acer platanoides	8		5	42.42260884	-71.16121472
634	Norway Maple	Acer platanoides	9		5	42.42265338	-71.16118924
639	Black Locust	Robinia pseudoacacia	12		5	42.42278346	-71.16115693
640	Norway Maple	Acer platanoides	10		5	42.42273841	-71.16114327
641	Norway Maple	Acer platanoides	6		5	42.42274232	-71.1612108
642	Norway Maple	Acer platanoides	12		5	42.42279578	-71.16120811
643	Black Locust	Robinia pseudoacacia	12		5	42.42280128	-71.16123471
644	Norway Maple	Acer platanoides	12		5	42.4228389	-71.16117839
645	Norway Maple	Acer platanoides	8		5	42.42287256	-71.16122667
646	Norway Maple	Acer platanoides	6		5	42.42287663	-71.16113992
647	Black Locust	Robinia pseudoacacia	12		5	42.42292005	-71.16117518
648	Tree of Heaven	Ailanthus altissima	5		5	42.42292761	-71.16110172
649	Norway Maple	Acer platanoides	10		5	42.42297671	-71.16116868
650	Norway Maple	Acer platanoides	4		5	42.4229771	-71.16108831
651	Norway Maple	Acer platanoides	8		5	42.42282923	-71.16111019
652	Black Locust	Robinia pseudoacacia	12		5	42.42278544	-71.16103355
653	Norway Maple	Acer platanoides	9		5	42.42274497	-71.16106361
654	Norway Maple	Acer platanoides	10		5	42.42267071	-71.16107071
655	Norway Maple	Acer platanoides	10		5	42.42262171	-71.16113157
666	Black Locust	Robinia pseudoacacia	12		5	42.42256504	-71.16113808
667	Norway Maple	Acer platanoides	9		5	42.42252458	-71.16116814
668	Black Locust	Robinia pseudoacacia	12		5	42.42244358	-71.16120148
669	Norway Maple	Acer platanoides	12		5	42.42247083	-71.16114445
670	Black Locust	Robinia pseudoacacia	12		5	42.42248334	-71.16105432
671	Norway Maple	Acer platanoides	6		5	42.42252162	-71.16110282
672	Black Locust	Robinia pseudoacacia	12		5	42.42252558	-71.16102369
673	Norway Maple	Acer platanoides	7		5	42.42253007	-71.1609492
674	Tree of Heaven	Ailanthus altissima	5		5	42.4225726	-71.16106462
675	Norway Maple	Acer platanoides	4		5	42.42261318	-71.16099883
676	Norway Maple	Acer platanoides	4		5	42.42267111	-71.16099035
677	Norway Maple	Acer platanoides	6		5	42.42274201	-71.16099828
678	Black Locust	Robinia pseudoacacia	12		5	42.42274597	-71.16091916
679	Tree of Heaven	Ailanthus altissima	5		5	42.42279299	-71.16096008
680	Norway Maple	Acer platanoides	4		5	42.42284249	-71.16094667
681	Norway Maple	Acer platanoides	12		5	42.42289949	-71.16091821
682	Norway Maple	Acer platanoides	9		5	42.42291691	-71.16099796
683	Norway Maple	Acer platanoides	8		5	42.42296963	-71.16093869
684	Norway Maple	Acer platanoides	10		5	42.4228421	-71.16102704
685	Norway Maple	Acer platanoides	6		5	42.42307575	-71.16084181
686	Tree of Heaven	Ailanthus altissima	4		5	42.42286263	-71.1617491
687	Tree of Heaven	Ailanthus altissima	4		5	42.42287488	-71.16159695
688	Tree of Heaven	Ailanthus altissima	4		5	42.42289938	-71.16148353
689	Tree of Heaven	Ailanthus altissima	5		5	42.42296064	-71.16139225
690	Tree of Heaven	Ailanthus altissima	4		5	42.42303416	-71.16129543
691	Tree of Heaven	Ailanthus altissima	4		5	42.42310359	-71.16121797
692	Tree of Heaven	Ailanthus altissima	3		5	42.42318731	-71.16114605
693	Knotweed	Fallopia japonica	10		5	42.4233006	-71.1613745
694	Tree of Heaven	Ailanthus altissima	7		5	42.42345085	-71.16116308
695	Tree of Heaven	Ailanthus altissima	7		5	42.42356173	-71.1611309
696	Tree of Heaven	Ailanthus altissima	7		5	42.42365479	-71.16107725
697	Tree of Heaven	Ailanthus altissima	8		5	42.42367063	-71.16096996
698	Norway Maple	Acer platanoides	24		5	42.4240785	-71.16054886
699	Tree of Heaven	Ailanthus altissima	10		5	42.42409037	-71.16059982
700	Tree of Heaven	Ailanthus altissima	11		5	42.42412007	-71.160573

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
701	Tree of Heaven	Ailanthus altissima	12		5	42.42410819	-71.16062396
702	Tree of Heaven	Ailanthus altissima	10		5	42.42420521	-71.16053545
703	Norway Maple	Acer platanoides	16		5	42.42435766	-71.16039329
704	Tree of Heaven	Ailanthus altissima	20		5	42.42441508	-71.16034769
705	Tree of Heaven	Ailanthus altissima	30		5	42.42446062	-71.16037772
706	Boxelder	Acer negundo	4		5	42.42454625	-71.16035909
707	Tree of Heaven	Ailanthus altissima	4		5	42.42455318	-71.16034099
708	Boxelder	Acer negundo	4		5	42.42456605	-71.1603269
709	Tree of Heaven	Ailanthus altissima	4		5	42.42458189	-71.1603088
710	Tree of Heaven	Ailanthus altissima	4		5	42.42459555	-71.16028641
711	Tree of Heaven	Ailanthus altissima	4		5	42.4246099	-71.16026496
712	Boxelder	Acer negundo	4		5	42.42463861	-71.16022606
713	Tree of Heaven	Ailanthus altissima	3		5	42.42465445	-71.16020192
714	Tree of Heaven	Ailanthus altissima	3		5	42.42467573	-71.16017913
715	Tree of Heaven	Ailanthus altissima	3		5	42.42469306	-71.16016571
716	Norway Maple	Acer platanoides	5		5	42.42466534	-71.16013353
717	Norway Maple	Acer platanoides	5		5	42.42468761	-71.16010738
718	Tree of Heaven	Ailanthus altissima	4		5	42.42471781	-71.16013487
719	Tree of Heaven	Ailanthus altissima	3	Cluster	5	42.42474849	-71.16011207
720	Tree of Heaven	Ailanthus altissima	3		5	42.42476829	-71.16009732
721	Tree of Heaven	Ailanthus altissima	3		5	42.42478611	-71.16008122
722	Tree of Heaven	Ailanthus altissima	3		5	42.42478611	-71.16007452
723	Boxelder	Acer negundo	6		5	42.42480294	-71.16006513
724	Tree of Heaven	Ailanthus altissima	3		5	42.42482076	-71.1600544
725	Tree of Heaven	Ailanthus altissima	3		5	42.42483165	-71.16003294
726	Tree of Heaven	Ailanthus altissima	5		5	42.42484353	-71.16001953
727	Tree of Heaven	Ailanthus altissima	3		5	42.42487026	-71.15999137
728	Norway Maple	Acer platanoides	8	Dead	1	42.42491605	-71.16009082
729	Norway Maple	Acer platanoides	6		1	42.42494377	-71.16005059
730	Norway Maple	Acer platanoides	3		1	42.42498139	-71.16002779
731	Norway Maple	Acer platanoides	4		1	42.42501405	-71.16002243
732	Norway Maple	Acer platanoides	4		1	42.42499129	-71.16009082
733	Norway Maple	Acer platanoides	3		1	42.42498035	-71.16011568
734	Norway Maple	Acer platanoides	3		1	42.42498634	-71.16013106
735	Norway Maple	Acer platanoides	6		1	42.42501603	-71.16012972
736	Norway Maple	Acer platanoides	4		1	42.42499178	-71.16018135
737	Tree of Heaven	Ailanthus altissima	7		1	42.42521402	-71.16087872
738	Tree of Heaven	Ailanthus altissima	6		1	42.42524075	-71.16093237

Total Tree Count 665

Master Shrub List

Shrub Bed #	Common	Latin	Area	Sq Ft
434	Tree of Heaven	Ailanthus alitissima	1	157
435	Tree of Heaven	Ailanthus alitissima	1	1063
436	Tree of Heaven	Ailanthus alitissima	1	549
437	Tree of Heaven	Ailanthus alitissima	1	621
438	Tree of Heaven	Ailanthus alitissima	1	113
439	Tree of Heaven	Ailanthus alitissima	1	179
440	Boxelder	Acer negundo	1	17
441	Boxelder	Acer negundo	1	38
442	Boxelder	Acer negundo	1	13
443	Wild Rose	Rosa multiflora	1	72
450	Wild Rose	Rosa multiflora	1	57
451	Wild Rose	Rosa multiflora	1	141
452	Poison Ive	Toxicodendron radicans	1	93
453	Tree of Heaven	Ailanthus alitissima	2	647
454	Buckthorn	Rhamnus cathartica	2	49
455	Buckthorn	Rhamnus cathartica	2	37
456	Buckthorn	Rhamnus cathartica	2	44
457	Knottweed	Fallopia japonica	2	75
458	Poison Ive	Toxicodendron radicans	2	90
459	Buckthorn	Rhamnus cathartica	2	61
460	Buckthorn	Rhamnus cathartica	2	52
461	Boxelder	Acer negundo	2	31
462	Wild Rose	Rosa multiflora	2	90
463	Tree of Heaven	Ailanthus alitissima	3	199
464	Poison Ive	Toxicodendron radicans	3	68
465	Wild Rose	Rosa multiflora	3	60
466	Buckthorn	Rhamnus cathartica	3	145
467	Tree of Heaven	Ailanthus alitissima	4	210
468	Boxelder	Acer negundo	4	387
469	Knottweed	Fallopia japonica	5	712
470	Tree of Heaven	Ailanthus alitissima	5	1687
471	Tree of Heaven	Ailanthus alitissima	5	586
472	Boxelder	Acer negundo	5	302
473	Tree of Heaven	Ailanthus alitissima	5	1790
Total Square Feet			10,438	

Area 1 - Tree List

Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
1	Tree of Heaven	Ailanthus altissima	18	Cluster of saplings near driveway	1	42.42484566	-71.16019162
2	Tree of Heaven	Ailanthus altissima	15	Cluster on hillside	1	42.42492357	-71.16073851
3	Tree of Heaven	Ailanthus altissima	30	Cluster on hillside	1	42.42484303	-71.16084491
4	Tree of Heaven	Ailanthus altissima	20	Cluster on hillside	1	42.42491462	-71.16096197
5	Black Oak	Quercus velutina	10	Dead	1	42.42501893	-71.16081431
6	Black Oak	Quercus velutina	13	Dead	1	42.42513042	-71.16087632
7	Red Oak	Quercus rubra	16	Dying	1	42.42525299	-71.16101355
8	Tree of Heaven	Ailanthus altissima	26	Mature, remove?	1	42.42529952	-71.1611481
9	Norway Maple	Acer platanoides	10		1	42.42527324	-71.16176142
10	Black Cherry	Prunus serotina	7	Dead	1	42.42515385	-71.16189084
11	Black Cherry	Prunus serotina	9	Dead	1	42.42518267	-71.16195478
12	Norway Maple	Acer platanoides	5		1	42.42514781	-71.16194143
13	Norway Maple	Acer platanoides	5		1	42.42513953	-71.16198581
14	Red Oak	Quercus rubra	6	Dead - on fence	1	42.4251094	-71.16204576
15	Norway Maple	Acer platanoides	3		1	42.42503218	-71.16200498
16	White Oak	Quercus alba	13	Dead	1	42.42500771	-71.16209452
17	Norway Maple	Acer platanoides	5	Saplings around	1	42.42482615	-71.16215634
18	Norway Maple	Acer platanoides	5		1	42.42483244	-71.16221028
19	Norway Maple	Acer platanoides	3		1	42.42478359	-71.16225021
20	Norway Maple	Acer platanoides	5		1	42.42471841	-71.16229285
21	Tree of Heaven	Ailanthus altissima	10		1	42.4243958	-71.16271635
22	Tree of Heaven	Ailanthus altissima	10		1	42.42437938	-71.16275329
23	Tree of Heaven	Ailanthus altissima	10		1	42.42438142	-71.16273344
24	Norway Maple	Acer platanoides	10		1	42.42436564	-71.16271178
25	Tree of Heaven	Ailanthus altissima	10		1	42.42436893	-71.16267893
26	Tree of Heaven	Ailanthus altissima	9		1	42.4243465	-71.16269425
27	Tree of Heaven	Ailanthus altissima	12		1	42.4243036	-71.16272655
28	Tree of Heaven	Ailanthus altissima	11		1	42.42429974	-71.16274193
29	Tree of Heaven	Ailanthus altissima	8		1	42.42427851	-71.16273884
30	Tree of Heaven	Ailanthus altissima	10		1	42.42426774	-71.16276274
31	Tree of Heaven	Ailanthus altissima	9		1	42.42425213	-71.1627573
32	Norway Maple	Acer platanoides	4		1	42.42424185	-71.16281624
33	Norway Maple	Acer platanoides	5		1	42.42422937	-71.1627773
34	Tree of Heaven	Ailanthus altissima	12		1	42.42416802	-71.16275533
35	Tree of Heaven	Ailanthus altissima	12		1	42.42416952	-71.16282845
36	Norway Maple	Acer platanoides	8		1	42.42413379	-71.16273892
37	Tree of Heaven	Ailanthus altissima	13		1	42.42418151	-71.16289344
38	Tree of Heaven	Ailanthus altissima	11		1	42.42414005	-71.1628957
39	Tree of Heaven	Ailanthus altissima	12	Stump	1	42.42412232	-71.16281402
40	Boxelder	Acer negundo	24	Cluster of three	1	42.42409199	-71.16273465
41	White Oak	Quercus alba	18	Dead	1	42.42478249	-71.16213314
42	Tree of Heaven	Ailanthus altissima	14		1	42.42402317	-71.1627737
43	Norway Maple	Acer platanoides	8		1	42.42401581	-71.16290217
44	Norway Maple	Acer platanoides	6		1	42.42402015	-71.16291766
45	Norway Maple	Acer platanoides	8		1	42.42401404	-71.16298457
46	Tree of Heaven	Ailanthus altissima	10		1	42.42400268	-71.16283122
47	Tree of Heaven	Ailanthus altissima	15	Stump	1	42.42393795	-71.16271515
48	Tree of Heaven	Ailanthus altissima	12		1	42.42393604	-71.16279222
49	Tree of Heaven	Ailanthus altissima	10		1	42.42393703	-71.16287985
50	Tree of Heaven	Ailanthus altissima	10		1	42.42394294	-71.16298395
51	Norway Maple	Acer platanoides	10		1	42.42386079	-71.16302617
52	Tree of Heaven	Ailanthus altissima	11		1	42.42388945	-71.16289946
53	Tree of Heaven	Ailanthus altissima	11		1	42.42387644	-71.16280187
54	Tree of Heaven	Ailanthus altissima	12		1	42.42387903	-71.16269746
55	Norway Maple	Acer platanoides	20	5-Stem cluster	1	42.42389276	-71.16264281
56	Boxelder	Acer negundo	4		1	42.42384941	-71.16262116
57	Norway Maple	Acer platanoides	16		1	42.42381754	-71.16282508
58	Norway Maple	Acer platanoides	14		1	42.42381611	-71.16294318
59	Norway Maple	Acer platanoides	14		1	42.42379849	-71.1630519

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
60	Black Locust	Robinia pseudoacacia	13		1	42.42373158	-71.16304551
61	Norway Maple	Acer platanoides	7		1	42.42376722	-71.16296773
62	Norway Maple	Acer platanoides	7		1	42.42376661	-71.1628949
63	Norway Maple	Acer platanoides	7		1	42.42375777	-71.16280449
64	Tree of Heaven	Ailanthus altissima	26		1	42.42377316	-71.1626861
65	Black Locust	Robinia pseudoacacia	4		1	42.42380421	-71.16261186
66	Red Oak	Quercus rubra	30	Dead	1	42.42370812	-71.16296363
67	Tree of Heaven	Ailanthus altissima	2		1	42.42378206	-71.16259909
68	Tree of Heaven	Ailanthus altissima	2		1	42.42377548	-71.16259403
69	Tree of Heaven	Ailanthus altissima	2		1	42.42377717	-71.16261288
70	Tree of Heaven	Ailanthus altissima	2		1	42.42377162	-71.16260372
71	Tree of Heaven	Ailanthus altissima	2		1	42.42373792	-71.1625177
72	Tree of Heaven	Ailanthus altissima	2		1	42.42373309	-71.16250956
73	Tree of Heaven	Ailanthus altissima	2		1	42.42372866	-71.16249957
74	Tree of Heaven	Ailanthus altissima	2		1	42.42372388	-71.16248939
75	Tree of Heaven	Ailanthus altissima	2		1	42.42371928	-71.16247972
76	Tree of Heaven	Ailanthus altissima	4		1	42.42369785	-71.16266871
77	Boxelder	Acer negundo	5		1	42.42371577	-71.16263433
78	Boxelder	Acer negundo	4		1	42.42369952	-71.16260844
79	Tree of Heaven	Ailanthus altissima	2		1	42.42367117	-71.1625151
80	Tree of Heaven	Ailanthus altissima	2		1	42.42366948	-71.16250971
81	Tree of Heaven	Ailanthus altissima	2		1	42.42366566	-71.16251466
82	Tree of Heaven	Ailanthus altissima	2		1	42.42366499	-71.16250829
83	Tree of Heaven	Ailanthus altissima	2		1	42.42366108	-71.16251382
84	Tree of Heaven	Ailanthus altissima	6		1	42.42363768	-71.1626781
85	Tree of Heaven	Ailanthus altissima	3		1	42.42362533	-71.16265387
86	Norway Maple	Acer platanoides	8		1	42.42364843	-71.16242065
87	Tree of Heaven	Ailanthus altissima	6		1	42.42363586	-71.16236069
88	Tree of Heaven	Ailanthus altissima	14		1	42.42360297	-71.16246791
89	Tree of Heaven	Ailanthus altissima	13		1	42.42358911	-71.16241829
90	Tree of Heaven	Ailanthus altissima	12		1	42.42357822	-71.16237135
91	Tree of Heaven	Ailanthus altissima	10		1	42.42356931	-71.16233514
92	Black Locust	Robinia pseudoacacia	5		1	42.42355446	-71.16229357
93	Black Locust	Robinia pseudoacacia	7		1	42.42352675	-71.16230027
94	Black Locust	Robinia pseudoacacia	6		1	42.42349804	-71.16232039
95	Tree of Heaven	Ailanthus altissima	2		1	42.42348884	-71.16226535
96	Tree of Heaven	Ailanthus altissima	2		1	42.42348092	-71.16224657
97	Tree of Heaven	Ailanthus altissima	2		1	42.42346706	-71.16223048
98	Tree of Heaven	Ailanthus altissima	2		1	42.42347399	-71.16229753
99	Norway Maple	Acer platanoides	6		1	42.42346508	-71.1622868
100	Tree of Heaven	Ailanthus altissima	2		1	42.4234624	-71.16225328
101	Tree of Heaven	Ailanthus altissima	2		1	42.4234475	-71.16224389
102	Tree of Heaven	Ailanthus altissima	4		1	42.42336768	-71.16212607
103	Tree of Heaven	Ailanthus altissima	4		1	42.4233558	-71.16207779
104	Tree of Heaven	Ailanthus altissima	3		1	42.42333204	-71.16204024
105	Boxelder	Acer negundo	14		1	42.42331485	-71.1618714
106	Black Locust	Robinia pseudoacacia	4		1	42.42332084	-71.16176705
107	Tree of Heaven	Ailanthus altissima	2		1	42.42328515	-71.16179898
108	Black Locust	Robinia pseudoacacia	3		1	42.42327525	-71.16184726
109	Boxelder	Acer negundo	3		1	42.42328119	-71.16189286
110	Black Locust	Robinia pseudoacacia	12		1	42.42329307	-71.16194114
111	Tree of Heaven	Ailanthus altissima	3		1	42.4232767	-71.16201837
112	Tree of Heaven	Ailanthus altissima	5		1	42.42329662	-71.16201392
113	Tree of Heaven	Ailanthus altissima	5		1	42.42327922	-71.16204513
114	Black Locust	Robinia pseudoacacia	12		1	42.42330708	-71.1620462
115	Tree of Heaven	Ailanthus altissima	5		1	42.4232857	-71.16209105
116	Tree of Heaven	Ailanthus altissima	4		1	42.42329176	-71.16212064
117	Tree of Heaven	Ailanthus altissima	3		1	42.4233261	-71.16208316
118	Boxelder	Acer negundo	4		1	42.42333996	-71.16211266

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
119	Tree of Heaven	Ailanthus altissima	3		1	42.4233261	-71.16214485
120	Black Locust	Robinia pseudoacacia	12		1	42.42333996	-71.16217704
121	Tree of Heaven	Ailanthus altissima	3		1	42.42333402	-71.16227091
122	Tree of Heaven	Ailanthus altissima	3		1	42.42333996	-71.1623326
123	Wild Rose	Rosa multiflora	10	Cluster	1	42.42336174	-71.16231919
124	Boxelder	Acer negundo	5		1	42.42337758	-71.16226287
125	Norway Maple	Acer platanoides	15		1	42.42341718	-71.16231383
126	Wild Rose	Rosa multiflora	10	Cluster	1	42.4234091	-71.162451
127	Boxelder	Acer negundo	15		1	42.42346723	-71.16243362
128	Tree of Heaven	Ailanthus altissima	11		1	42.42353693	-71.16245544
129	Norway Maple	Acer platanoides	12		1	42.42351744	-71.16253351
130	Wild Rose	Rosa multiflora	10	Cluster	1	42.42348722	-71.16261337
131	Wild Rose	Rosa multiflora	10	Cluster	1	42.42352981	-71.16260825
132	White Oak	Quercus alba	18	Dead	1	42.42358097	-71.16263284
133	Tree of Heaven	Ailanthus altissima	2		1	42.42352296	-71.16272231
134	Tree of Heaven	Ailanthus altissima	3		1	42.42352916	-71.16277616
135	Tree of Heaven	Ailanthus altissima	3		1	42.42352322	-71.16281908
136	Tree of Heaven	Ailanthus altissima	3		1	42.42354104	-71.16285931
137	Tree of Heaven	Ailanthus altissima	3		1	42.4235252	-71.16291295
138	Norway Maple	Acer platanoides	5		1	42.42359161	-71.1627519
139	Norway Maple	Acer platanoides	4		1	42.42364012	-71.16276128
140	Norway Maple	Acer platanoides	7		1	42.4236025	-71.16283236
141	Norway Maple	Acer platanoides	5		1	42.42358666	-71.16289539
142	Norway Maple	Acer platanoides	6		1	42.42367278	-71.16290076
143	Norway Maple	Acer platanoides	7		1	42.42363517	-71.1629772
144	Norway Maple	Acer platanoides	4		1	42.42358171	-71.16297452
145	Poison Ivy	Toxicodendron radicans	10	Cluster	1	42.42348757	-71.16298339
146	Tree of Heaven	Ailanthus altissima	3		1	42.42349551	-71.16307561
147	Tree of Heaven	Ailanthus altissima	3		1	42.42348858	-71.16311316
148	Norway Maple	Acer platanoides	7		1	42.42353617	-71.16309656
149	Shagbark Hickory	Carya ovata	12	Dead	1	42.42358565	-71.1630681
150	Norway Maple	Acer platanoides	6		1	42.42363418	-71.16306035
151	Norway Maple	Acer platanoides	6		1	42.42367377	-71.16309254
152	Norway Maple	Acer platanoides	7		1	42.42374604	-71.1631502
153	Norway Maple	Acer platanoides	5		1	42.42370941	-71.16319312
154	Norway Maple	Acer platanoides	8		1	42.4236906	-71.16323201
155	Norway Maple	Acer platanoides	12		1	42.42364804	-71.16322799
156	Norway Maple	Acer platanoides	6		1	42.4235926	-71.163173
157	Norway Maple	Acer platanoides	6		1	42.42360545	-71.16327195
158	Norway Maple	Acer platanoides	5		1	42.4236025	-71.16335271
159	Norway Maple	Acer platanoides	4		1	42.42355894	-71.16323335
160	Norway Maple	Acer platanoides	7		1	42.42351142	-71.16320385
161	Tree of Heaven	Ailanthus altissima	3		1	42.42348165	-71.16320302
162	Norway Maple	Acer platanoides	4		1	42.4234718	-71.16332828
163	Norway Maple	Acer platanoides	4		1	42.42350845	-71.16330309
164	Norway Maple	Acer platanoides	8		1	42.42355201	-71.16334869
165	Norway Maple	Acer platanoides	5		1	42.42352724	-71.16337522
166	Norway Maple	Acer platanoides	11		1	42.42348766	-71.16338758
167	Norway Maple	Acer platanoides	7		1	42.42347477	-71.16345702
168	Norway Maple	Acer platanoides	11		1	42.42344111	-71.1634007
169	Norway Maple	Acer platanoides	8		1	42.42340542	-71.16345649
170	Norway Maple	Acer platanoides	8		1	42.42305997	-71.16392775
171	Norway Maple	Acer platanoides	8		1	42.42286296	-71.16412355
172	Norway Maple	Acer platanoides	17		1	42.42284663	-71.16414903
173	Norway Maple	Acer platanoides	17		1	42.42281742	-71.16418457
174	Norway Maple	Acer platanoides	9		1	42.42279614	-71.16417049
175	Norway Maple	Acer platanoides	10		1	42.42277238	-71.16419664
176	Norway Maple	Acer platanoides	7		1	42.42276495	-71.16421341
728	Norway Maple	Acer platanoides	8	Dead	1	42.42491605	-71.16009082

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
729	Norway Maple	Acer platanoides	6		1	42.42494377	-71.16005059
730	Norway Maple	Acer platanoides	3		1	42.42498139	-71.16002779
731	Norway Maple	Acer platanoides	4		1	42.42501405	-71.16002243
732	Norway Maple	Acer platanoides	4		1	42.42499129	-71.16009082
733	Norway Maple	Acer platanoides	3		1	42.42498035	-71.16011568
734	Norway Maple	Acer platanoides	3		1	42.42498634	-71.16013106
735	Norway Maple	Acer platanoides	6		1	42.42501603	-71.16012972
736	Norway Maple	Acer platanoides	4		1	42.42499178	-71.16018135
737	Tree of Heaven	Ailanthus altissima	7		1	42.42521402	-71.16087872
738	Tree of Heaven	Ailanthus altissima	6		1	42.42524075	-71.16093237

Total Tree Count 187

Area 1 – Shrub List

Shrub Bed #	Common	Latin	Area	Sq Ft
434	Tree of Heaven	Ailanthus alitissima	1	157
435	Tree of Heaven	Ailanthus alitissima	1	1063
436	Tree of Heaven	Ailanthus alitissima	1	549
437	Tree of Heaven	Ailanthus alitissima	1	621
438	Tree of Heaven	Ailanthus alitissima	1	113
439	Tree of Heaven	Ailanthus alitissima	1	179
440	Boxelder	Acer negundo	1	17
441	Boxelder	Acer negundo	1	38
442	Boxelder	Acer negundo	1	13
443	Wild Rose	Rosa multiflora	1	72
450	Wild Rose	Rosa multiflora	1	57
451	Wild Rose	Rosa multiflora	1	141
452	Poison Iye	Toxicodendron radica	1	93
			Total Square Feet	3,115

Area 2 – Tree List

Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
177	Norway Maple	Acer platanoides	14		2	42.42308064	-71.16366586
178	Norway Maple	Acer platanoides	6		2	42.42306876	-71.16368732
179	Norway Maple	Acer platanoides	5		2	42.42304995	-71.16370743
180	Norway Maple	Acer platanoides	10		2	42.42306183	-71.16361087
181	Norway Maple	Acer platanoides	10		2	42.42304797	-71.16359612
182	Norway Maple	Acer platanoides	6		2	42.42301183	-71.16365312
183	Buckthorn	Rhamnus cathartica	10		2	42.42301728	-71.16366049
184	Norway Maple	Acer platanoides	10		2	42.42302619	-71.16367391
185	Buckthorn	Rhamnus cathartica	10		2	42.42301728	-71.16374364
186	Norway Maple	Acer platanoides	12		2	42.42300837	-71.16372487
187	Norway Maple	Acer platanoides	13		2	42.42299055	-71.16369536
188	Norway Maple	Acer platanoides	9		2	42.42297075	-71.16367793
189	Norway Maple	Acer platanoides	14		2	42.42295293	-71.16372219
190	Norway Maple	Acer platanoides	12		2	42.4229559	-71.16378991
191	Norway Maple	Acer platanoides	10		2	42.42292818	-71.16381539
192	Norway Maple	Acer platanoides	14		2	42.42292521	-71.1635988
193	Buckthorn	Rhamnus cathartica	6		2	42.42289918	-71.16387005
194	Norway Maple	Acer platanoides	16		2	42.42289155	-71.16384624
195	Norway Maple	Acer platanoides	12		2	42.42287373	-71.16377315
196	Norway Maple	Acer platanoides	5		2	42.42285987	-71.16374901
197	Norway Maple	Acer platanoides	8		2	42.42283611	-71.16370207
198	Norway Maple	Acer platanoides	12		2	42.42282225	-71.16391597
199	Norway Maple	Acer platanoides	9		2	42.42280146	-71.16386568
200	Norway Maple	Acer platanoides	5		2	42.42279454	-71.16380837
201	Norway Maple	Acer platanoides	12		2	42.42273315	-71.1639723
202	Norway Maple	Acer platanoides	12	Dead	2	42.42272919	-71.16395353
203	Norway Maple	Acer platanoides	13		2	42.42274602	-71.16389519
204	Norway Maple	Acer platanoides	12		2	42.42271335	-71.16390189
205	Norway Maple	Acer platanoides	14		2	42.42269949	-71.16393944
206	Norway Maple	Acer platanoides	12		2	42.42265296	-71.16397699
207	Norway Maple	Acer platanoides	8		2	42.42265296	-71.16392469
208	Norway Maple	Acer platanoides	14		2	42.42262425	-71.16386837
209	Norway Maple	Acer platanoides	12		2	42.42265989	-71.16369268
210	Norway Maple	Acer platanoides	9		2	42.42268563	-71.16367659
211	Norway Maple	Acer platanoides	10		2	42.42271434	-71.16369804
212	Norway Maple	Acer platanoides	6		2	42.4226886	-71.16380399
213	Norway Maple	Acer platanoides	11		2	42.42273711	-71.16379997
214	Norway Maple	Acer platanoides	12		2	42.42276384	-71.16367927
215	Norway Maple	Acer platanoides	8		2	42.42275196	-71.16363233
216	Black Locust	Robinia pseudoacacia	15		2	42.42275543	-71.16349286
217	Norway Maple	Acer platanoides	13		2	42.42280641	-71.16365915
218	Norway Maple	Acer platanoides	9		2	42.42280196	-71.1635988
219	Norway Maple	Acer platanoides	60	Multi-stem	2	42.42283413	-71.16349822
220	Norway Maple	Acer platanoides	4		2	42.4230247	-71.16351834
221	Norway Maple	Acer platanoides	4		2	42.42301579	-71.16347408
222	Norway Maple	Acer platanoides	4		2	42.42299401	-71.16352102
223	Norway Maple	Acer platanoides	4		2	42.42298807	-71.16349956

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
224	Norway Maple	Acer platanoides	5		2	42.42296827	-71.16344592
225	Norway Maple	Acer platanoides	5		2	42.42295738	-71.16341641
226	Norway Maple	Acer platanoides	10	Dead	2	42.42292967	-71.16338423
227	Norway Maple	Acer platanoides	5		2	42.4229168	-71.16342982
228	Norway Maple	Acer platanoides	7		2	42.42288611	-71.16340837
229	Norway Maple	Acer platanoides	6		2	42.42288413	-71.16336009
230	Norway Maple	Acer platanoides	12		2		
231	Norway Maple	Acer platanoides	36	Triple-Stem	2	42.42280562	-71.16322194
232	Norway Maple	Acer platanoides	8		2	42.42277895	-71.16323898
233	Norway Maple	Acer platanoides	4		2	42.42277004	-71.16327653
234	Norway Maple	Acer platanoides	10		2	42.42278879	-71.16333728
235	Norway Maple	Acer platanoides	16		2	42.42274628	-71.16334091
236	Norway Maple	Acer platanoides	10		2	42.4227146	-71.1633342
237	Norway Maple	Acer platanoides	11		2	42.42271856	-71.16337309
238	Black Locust	Robinia pseudoacacia	16		2	42.42273737	-71.16339723
239	Norway Maple	Acer platanoides	6		2	42.42267995	-71.16335968
240	Norway Maple	Acer platanoides	6		2	42.4226948	-71.16339455
241	Tree of Heaven	Ailanthus altissima	14		2	42.42271259	-71.16343066
241	Norway Maple	Acer platanoides	10		2	42.422672	-71.16343737
242	Norway Maple	Acer platanoides	11		2	42.42267497	-71.16358623
243	Norway Maple	Acer platanoides	10		2	42.42264032	-71.16372704
244	Norway Maple	Acer platanoides	4		2	42.42264131	-71.16377264
245	Norway Maple	Acer platanoides	5		2	42.42260468	-71.16378739
246	Norway Maple	Acer platanoides	8		2	42.42256535	-71.16380533
247	Norway Maple	Acer platanoides	7		2	42.42255595	-71.16386702
248	Norway Maple	Acer platanoides	14		2	42.42251536	-71.1638402
249	Norway Maple	Acer platanoides	8		2	42.42254132	-71.16374314
250	Norway Maple	Acer platanoides	4		2	42.42258488	-71.16371229
251	Norway Maple	Acer platanoides	4		2	42.42260171	-71.16373509
252	Norway Maple	Acer platanoides	9		2	42.42262349	-71.16368011
253	Norway Maple	Acer platanoides	13		2	42.42262052	-71.16358489
254	Norway Maple	Acer platanoides	5		2	42.42258092	-71.16363585
255	Norway Maple	Acer platanoides	9		2	42.42252251	-71.16370425
256	Norway Maple	Acer platanoides	18		2	42.42249875	-71.16376996
257	Norway Maple	Acer platanoides	8		2	42.42247202	-71.16380885
258	Norway Maple	Acer platanoides	10		2	42.42244034	-71.16377264
259	Norway Maple	Acer platanoides	8		2	42.42247796	-71.16371229
260	Norway Maple	Acer platanoides	7		2	42.42245024	-71.16369754
261	Norway Maple	Acer platanoides	7		2	42.42247499	-71.16367206
262	Norway Maple	Acer platanoides	10		2	42.42252845	-71.16364658
263	Norway Maple	Acer platanoides	7		2	42.42254825	-71.16360501
264	Norway Maple	Acer platanoides	12		2	42.42257597	-71.16355136
265	Norway Maple	Acer platanoides	14		2	42.42263042	-71.16350174
266	Norway Maple	Acer platanoides	8		2	42.42264728	-71.16341601
267	Norway Maple	Acer platanoides	14		2	42.42261858	-71.16341735
268	Norway Maple	Acer platanoides	10		2	42.42260769	-71.16346295
269	Norway Maple	Acer platanoides	9		2	42.42255023	-71.1635299

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
270	Norway Maple	Acer platanoides	4		2	42.42251162	-71.16357416
271	Black Oak	Quercus velutina	50	Dead	2	42.42244727	-71.16363853
272	Norway Maple	Acer platanoides	9		2	42.42242054	-71.16371632
273	Norway Maple	Acer platanoides	4		2	42.42240668	-71.163719
274	Norway Maple	Acer platanoides	7		2	42.42241262	-71.16369754
275	Norway Maple	Acer platanoides	6		2	42.42241163	-71.16366535
276	Shagbark Hickory	Carya ovata	4	Dead	2	42.42239282	-71.16359964
277	Norway Maple	Acer platanoides	7		2	42.4224344	-71.16360098
278	Black Oak	Quercus velutina	30	Dead	2	42.4224641	-71.1635755
279	Norway Maple	Acer platanoides	16		2	42.42245968	-71.16352799
280	Norway Maple	Acer platanoides	10		2	42.42249479	-71.16353661
281	Norway Maple	Acer platanoides	4		2	42.42246463	-71.16347971
282	Norway Maple	Acer platanoides	4		2	42.42248047	-71.16343545
283	Norway Maple	Acer platanoides	12		2	42.4224973	-71.16347837
284	Norway Maple	Acer platanoides	7		2	42.42252304	-71.16340729
285	Norway Maple	Acer platanoides	4		2	42.42255274	-71.16345557
286	Norway Maple	Acer platanoides	4		2	42.42260818	-71.16335097
287	Norway Maple	Acer platanoides	12		2	42.42263293	-71.16334158
288	Norway Maple	Acer platanoides	12		2	42.42259478	-71.16367474
289	Knotweed	Fallopia japonica	10		2	42.4226849	-71.16329129
290	Black Locust	Robinia pseudoacacia	15		2	42.42270668	-71.16329531
291	Norway Maple	Acer platanoides	4		2	42.42274331	-71.16319607
292	Norway Maple	Acer platanoides	5		2	42.42271559	-71.16319607
293	Norway Maple	Acer platanoides	6		2	42.42271658	-71.16322557
294	Norway Maple	Acer platanoides	4		2	42.42269183	-71.16321753
421	Tree of Heaven	Ailanthus altissima	3		2	42.42310359	-71.16349187
422	Tree of Heaven	Ailanthus altissima	3		2	42.42306275	-71.16342824
423	Tree of Heaven	Ailanthus altissima	3		2	42.42302599	-71.16336462
424	Tree of Heaven	Ailanthus altissima	3		2	42.42298106	-71.16330653
425	Tree of Heaven	Ailanthus altissima	3		2	42.42294226	-71.16324567
426	Tree of Heaven	Ailanthus altissima	3		2	42.42290347	-71.16319034
427	Tree of Heaven	Ailanthus altissima	3		2	42.42285446	-71.16314331
428	Tree of Heaven	Ailanthus altissima	3		2	42.42281566	-71.16309629

Total Tree Count 127

Area 2 – Shrub List

Shrub Bed #	Common	Latin	Area	Sq Ft
453	Tree of Heaven	Ailanthus altissima	2	647
454	Buckthorn	Rhamnus cathartica	2	49
455	Buckthorn	Rhamnus cathartica	2	37
456	Buckthorn	Rhamnus cathartica	2	44
457	Knottweed	Fallopia japonica	2	75
458	Poison Ivy	Toxicodendron radicans	2	90
459	Buckthorn	Rhamnus cathartica	2	61
460	Buckthorn	Rhamnus cathartica	2	52
461	Boxelder	Acer negundo	2	31
462	Wild Rose	Rosa multiflora	2	90
			Total Square Feet	1,176

Area 3 – Tree List

Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
295	Norway Maple	Acer platanoides	6		3	42.42270048	-71.16313662
296	Norway Maple	Acer platanoides	6		3	42.42268068	-71.16310577
297	Norway Maple	Acer platanoides	14		3	42.42264801	-71.16314332
298	Norway Maple	Acer platanoides	9		3	42.42259158	-71.1632144
299	Norway Maple	Acer platanoides	4		3	42.42255792	-71.16322513
300	Norway Maple	Acer platanoides	9		3	42.4225203	-71.16324927
301	Norway Maple	Acer platanoides	10		3	42.42251337	-71.16330828
302	Norway Maple	Acer platanoides	6		3	42.42252601	-71.16335231
303	Norway Maple	Acer platanoides	4		3	42.4224775	-71.16338718
304	Norway Maple	Acer platanoides	4		3	42.42244582	-71.16340461
305	Norway Maple	Acer platanoides	5		3	42.42241612	-71.16348776
306	Norway Maple	Acer platanoides	11		3	42.42237256	-71.16352263
307	Norway Maple	Acer platanoides	8		3	42.42239434	-71.16347166
308	Norway Maple	Acer platanoides	8		3	42.42237652	-71.16344618
309	Norway Maple	Acer platanoides	7		3	42.4224082	-71.16341534
310	Norway Maple	Acer platanoides	12		3	42.42242701	-71.16338986
311	Norway Maple	Acer platanoides	4		3	42.42243493	-71.16336706
312	Red Oak	Quercus rubra	50	Dead	3	42.42247377	-71.16331123
313	Norway Maple	Acer platanoides	5		3	42.42247179	-71.16325061
314	Norway Maple	Acer platanoides	10		3	42.4224312	-71.16325195
315	Norway Maple	Acer platanoides	6		3	42.42242724	-71.16327475
316	Norway Maple	Acer platanoides	10		3	42.42238269	-71.16329487
317	Norway Maple	Acer platanoides	11		3	42.42239655	-71.16331364
318	Norway Maple	Acer platanoides	8		3	42.42239556	-71.16334851
319	Norway Maple	Acer platanoides	5		3	42.42233716	-71.16344105
320	Norway Maple	Acer platanoides	10		3	42.42233023	-71.1634035
321	Norway Maple	Acer platanoides	8		3	42.42231835	-71.16338338
322	Norway Maple	Acer platanoides	10		3	42.42229657	-71.16336326
323	Norway Maple	Acer platanoides	18		3	42.4223629	-71.16334583
324	Norway Maple	Acer platanoides	10		3	42.4223431	-71.16332571
325	Black Locust	Robinia pseudoacacia	12		3	42.42240348	-71.16322915
326	Norway Maple	Acer platanoides	4		3	42.42243219	-71.16319965
327	Norway Maple	Acer platanoides	12		3	42.42245199	-71.16319428
328	Norway Maple	Acer platanoides	6		3	42.4224807	-71.1631688
329	Norway Maple	Acer platanoides	8		3	42.42251337	-71.16313394
330	Red Oak	Quercus rubra	10	Dead	3	42.42254109	-71.1630937
331	Norway Maple	Acer platanoides	5		3	42.42256782	-71.16314466
332	Black Locust	Robinia pseudoacacia	12		3	42.42260247	-71.16313528
333	Black Locust	Robinia pseudoacacia	16		3	42.42257871	-71.16308029
334	Black Locust	Robinia pseudoacacia	11		3	42.42262326	-71.16305347
335	Black Locust	Robinia pseudoacacia	12		3	42.42266286	-71.16305079
336	Norway Maple	Acer platanoides	12		3	42.42264108	-71.16301592
337	Norway Maple	Acer platanoides	12		3	42.42265324	-71.1629362
338	Norway Maple	Acer platanoides	10		3	42.42261275	-71.16294229
339	Norway Maple	Acer platanoides	10		3	42.42258414	-71.16289887

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
340	Black Locust	Robinia pseudoacacia	12		3	42.42256988	-71.16296541
341	Norway Maple	Acer platanoides	9		3	42.42254157	-71.16292972
342	Norway Maple	Acer platanoides	10		3	42.42253501	-71.16300938
343	Black Locust	Robinia pseudoacacia	12		3	42.42249514	-71.1630459
344	Norway Maple	Acer platanoides	7		3	42.42247722	-71.16296459
345	Norway Maple	Acer platanoides	8	Dual-stem	3	42.42247327	-71.16296364
346	Norway Maple	Acer platanoides	7		3	42.42244146	-71.16306739
347	Norway Maple	Acer platanoides	8		3	42.42240696	-71.16300255
348	Norway Maple	Acer platanoides	7		3	42.42239607	-71.16309911
349	Black Locust	Robinia pseudoacacia	16		3	42.42236539	-71.16302534
350	Norway Maple	Acer platanoides	10		3	42.42233115	-71.16309573
351	Norway Maple	Acer platanoides	7		3	42.42234455	-71.16314288
352	Norway Maple	Acer platanoides	4		3	42.42232418	-71.16320023
353	Norway Maple	Acer platanoides	4		3	42.42230636	-71.16321767
354	Norway Maple	Acer platanoides	7		3	42.42229383	-71.16318444
355	Black Locust	Robinia pseudoacacia	6		3	42.42229855	-71.16314466
356	Norway Maple	Acer platanoides	14		3	42.42227479	-71.1633056
357	Norway Maple	Acer platanoides	8		3	42.42224311	-71.16327207
358	Norway Maple	Acer platanoides	5		3	42.42222331	-71.1632372
359	Black Locust	Robinia pseudoacacia	6		3	42.42224707	-71.16317953
360	Norway Maple	Acer platanoides	6		3	42.42221044	-71.16316612
361	Norway Maple	Acer platanoides	8		3	42.4221946	-71.1631393
362	Norway Maple	Acer platanoides	5		3	42.42224014	-71.16315003
363	Norway Maple	Acer platanoides	4		3	42.42228451	-71.16311737
364	Black Locust	Robinia pseudoacacia	12		3	42.42218668	-71.16309236
365	Norway Maple	Acer platanoides	8		3	42.42216589	-71.16304542
366	Norway Maple	Acer platanoides	4		3	42.42219064	-71.16300385
367	Norway Maple	Acer platanoides	5		3	42.4222561	-71.16299448
368	Norway Maple	Acer platanoides	7		3	42.42231711	-71.16300417
369	Norway Maple	Acer platanoides	8		3	42.42232935	-71.16290865
370	Norway Maple	Acer platanoides	7		3	42.42241278	-71.16289117
371	Norway Maple	Acer platanoides	6		3	42.42249406	-71.16289256
372	Norway Maple	Acer platanoides	6		3	42.42253861	-71.1628644
374	Black Locust	Robinia pseudoacacia	12		3	42.42254257	-71.16278527
375	Red Oak	Quercus rubra	24	Dead	3	42.42248379	-71.162796
376	Norway Maple	Acer platanoides	8		3	42.42244221	-71.16281746
377	Norway Maple	Acer platanoides	7		3	42.4223694	-71.16283694
378	Norway Maple	Acer platanoides	12		3	42.42229569	-71.16286037
379	Black Locust	Robinia pseudoacacia	12		3	42.42225808	-71.1629167
380	Norway Maple	Acer platanoides	7		3	42.42218272	-71.1629435
381	Norway Maple	Acer platanoides	8		3	42.4221352	-71.16299714
381	Black Locust	Robinia pseudoacacia	12		3	42.42224026	-71.16283892
382	Norway Maple	Acer platanoides	8		3	42.42228603	-71.16279218
383	Norway Maple	Acer platanoides	9		3	42.42233058	-71.16276669
384	Norway Maple	Acer platanoides	10		3	42.42237117	-71.16274926

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
385	Norway Maple	Acer platanoides	7		3	42.42238404	-71.16271573
386	Norway Maple	Acer platanoides	11		3	42.42242067	-71.16269428
387	Black Locust	Robinia pseudoacacia	12		3	42.42243453	-71.1627506
389	Norway Maple	Acer platanoides	6		3	42.42248402	-71.16271471
401	Norway Maple	Acer platanoides	8		3	42.42234246	-71.16267818
402	Norway Maple	Acer platanoides	10		3	42.4222989	-71.16270903
403	Black Locust	Robinia pseudoacacia	12		3	42.42224224	-71.16271553
404	Black Locust	Robinia pseudoacacia	10		3	42.4221967	-71.16279868
405	Norway Maple	Acer platanoides	10		3	42.42216193	-71.16287376
406	Norway Maple	Acer platanoides	12		3	42.42210649	-71.16291802
407	Norway Maple	Acer platanoides	4		3	42.42210451	-71.16285901
408	Norway Maple	Acer platanoides	12		3	42.42212035	-71.16278659
409	Tree of Heaven	Ailanthus altissima	4		3	42.42209681	-71.16269513
410	Tree of Heaven	Ailanthus altissima	6		3	42.42218482	-71.16267798
411	Tree of Heaven	Ailanthus altissima	5		3	42.42224979	-71.16264207
429	Tree of Heaven	Ailanthus altissima	3		3	42.42279728	-71.163005
430	Tree of Heaven	Ailanthus altissima	3		3	42.42276461	-71.16292201
431	Tree of Heaven	Ailanthus altissima	3		3	42.42275848	-71.16282519

Total Tree Count 108

Area 3 – Shrub List

Shrub Bed #	Common	Latin	Area	Sq Ft
463	Tree of Heaven	Ailanthus altissima	3	199
464	Poison Ipe	Toxicodendron radicans	3	68
465	Wild Rose	Rosa multiflora	3	60
466	Buckthorn	Rhamnus cathartica	3	145
Total Sqaure Feet				473

Area 4 – Tree List

Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
373	Norway Maple	Acer platanoides	10		4	42.42265215	-71.16273769
388	Norway Maple	Acer platanoides	4		4	42.42246126	-71.16266477
390	Norway Maple	Acer platanoides	12		4	42.42252537	-71.16268335
391	Black Locust	Robinia pseudoacacia	12		4	42.42253645	-71.16259625
392	Black Locust	Robinia pseudoacacia	12		4	42.42259233	-71.16264475
393	Norway Maple	Acer platanoides	8		4	42.42260773	-71.1625882
394	Norway Maple	Acer platanoides	7		4	42.42269116	-71.16257072
395	Norway Maple	Acer platanoides	8		4	42.42268649	-71.16246898
396	Norway Maple	Acer platanoides	7		4	42.42264778	-71.16251649
397	Norway Maple	Acer platanoides	12		4	42.42257407	-71.16253993
398	Norway Maple	Acer platanoides	12		4	42.42253095	-71.16256965
399	Norway Maple	Acer platanoides	6		4	42.42247749	-71.16257233
400	Norway Maple	Acer platanoides	8		4	42.42240423	-71.16260452
412	Norway Maple	Acer platanoides	4		4	42.42229929	-71.16262866
413	Norway Maple	Acer platanoides	4		4	42.42234285	-71.16260184
414	Norway Maple	Acer platanoides	7		4	42.42241579	-71.16246001
416	Norway Maple	Acer platanoides	10		4	42.42247359	-71.1625048
417	Black Locust	Robinia pseudoacacia	12		4	42.42251863	-71.16251847
418	Norway Maple	Acer platanoides	8		4	42.4225644	-71.16247173
419	Norway Maple	Acer platanoides	9		4	42.42260895	-71.16244625
420	Norway Maple	Acer platanoides	10		4	42.42266292	-71.16239658
432	Tree of Heaven	Ailanthus altissima	3		4	42.42276461	-71.16270624
433	Norway Maple	Acer platanoides	7		4	42.4227546	-71.16237716
444	Red Oak	Quercus rubra	14	Dead	4	42.4228565	-71.16250983
445	Red Oak	Quercus rubra	16	Dead	4	42.4229198	-71.16244344
446	Boxelder	Acer negundo	6		4	42.42300773	-71.16240964
447	Boxelder	Acer negundo	6		4	42.42295866	-71.16228072
448	Buckthorn	Acer negundo	6		4	42.4229081	-71.16215986
449	Tree of Heaven	Ailanthus altissima	3		4	42.42288917	-71.1620202
500	Tree of Heaven	Ailanthus altissima	3		4	42.42285037	-71.16189295
501	Boxelder	Acer negundo	6		4	42.42283078	-71.16182346
502	Norway Maple	Acer platanoides	12		4	42.42289502	-71.1622652
503	Norway Maple	Acer platanoides	10		4	42.42282592	-71.16222788
504	Black Locust	Robinia pseudoacacia	12		4	42.42281166	-71.16229442
505	Norway Maple	Acer platanoides	10		4	42.42285453	-71.1622713
506	Norway Maple	Acer platanoides	9		4	42.42278335	-71.16225872
507	Norway Maple	Acer platanoides	6		4	42.42278039	-71.1621934
508	Norway Maple	Acer platanoides	6		4	42.42273584	-71.16222157
509	Norway Maple	Acer platanoides	8	Dual-stem	4	42.42271505	-71.16229264
510	Norway Maple	Acer platanoides	8		4	42.4226826	-71.16228407
511	Norway Maple	Acer platanoides	7		4	42.42265456	-71.16222017
512	Norway Maple	Acer platanoides	4		4	42.42262122	-71.16228139
513	Norway Maple	Acer platanoides	8		4	42.42262083	-71.16235773
514	Norway Maple	Acer platanoides	10		4	42.42257727	-71.16238858
515	Black Locust	Robinia pseudoacacia	12		4	42.42252061	-71.16239509

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
516	Norway Maple	Acer platanoides	9		4	42.42248014	-71.16242515
517	Norway Maple	Acer platanoides	8	Dual-stem	4	42.42241185	-71.16245907
518	Norway Maple	Acer platanoides	8		4	42.42234554	-71.16249797
519	Black Locust	Robinia pseudoacacia	16		4	42.42230396	-71.16252077
520	Norway Maple	Acer platanoides	7		4	42.42225569	-71.1624996
521	Norway Maple	Acer platanoides	5		4	42.42225779	-71.16242555
522	Norway Maple	Acer platanoides	7		4	42.42235136	-71.16238659
523	Norway Maple	Acer platanoides	6		4	42.42243264	-71.16238799
524	Norway Maple	Acer platanoides	6		4	42.42247719	-71.16235982
525	Tree of Heaven	Ailanthus altissima	5		4	42.42252817	-71.16232162
526	Norway Maple	Acer platanoides	4		4	42.42257767	-71.16230821
527	Red Oak	Quercus rubra	24	Dead	4	42.42272557	-71.16212501
528	Norway Maple	Acer platanoides	8		4	42.42268399	-71.16214646
529	Norway Maple	Acer platanoides	6		4	42.4227258	-71.16204371
530	Black Locust	Robinia pseudoacacia	12		4	42.42267631	-71.16207961
531	Norway Maple	Acer platanoides	7		4	42.42261118	-71.16216594
532	Norway Maple	Acer platanoides	10		4	42.42261295	-71.16207827
533	Black Locust	Robinia pseudoacacia	12		4	42.42248115	-71.1622807
534	Red Oak	Quercus rubra	24	Dead	4	42.42242237	-71.16229143
535	Norway Maple	Acer platanoides	8		4	42.42238079	-71.16231288
536	Norway Maple	Acer platanoides	7		4	42.42230798	-71.16233236
537	Norway Maple	Acer platanoides	12		4	42.42223427	-71.1623558
538	Norway Maple	Acer platanoides	8		4	42.4222246	-71.1622876
539	Norway Maple	Acer platanoides	9		4	42.42226915	-71.16226212
540	Norway Maple	Acer platanoides	10		4	42.42230974	-71.16224469
541	Norway Maple	Acer platanoides	11		4	42.42235924	-71.1621897
542	Black Locust	Robinia pseudoacacia	12		4	42.4223731	-71.16224603
543	Norway Maple	Acer platanoides	4		4	42.42239983	-71.1621602
544	Norway Maple	Acer platanoides	6		4	42.4224226	-71.16221013
545	Norway Maple	Acer platanoides	12		4	42.42246395	-71.16217877
546	Black Locust	Robinia pseudoacacia	12		4	42.42247502	-71.16209168
547	Norway Maple	Acer platanoides	7		4	42.42262582	-71.16204474
548	Norway Maple	Acer platanoides	11		4	42.42266245	-71.16202328
549	Norway Maple	Acer platanoides	4		4	42.42270304	-71.16199378
550	Norway Maple	Acer platanoides	6		4	42.42271927	-71.16190134
551	Norway Maple	Acer platanoides	7		4	42.42242716	-71.16170482
552	Norway Maple	Acer platanoides	8		4	42.42264601	-71.16193353
553	Norway Maple	Acer platanoides	9		4	42.4225847	-71.1619188
554	Norway Maple	Acer platanoides	10		4	42.42257814	-71.16199846
555	Norway Maple	Acer platanoides	8	Dual-stem	4	42.4225164	-71.16195272
556	Norway Maple	Acer platanoides	7		4	42.42252035	-71.16195367
557	Norway Maple	Acer platanoides	12		4	42.42246952	-71.16206508
558	Norway Maple	Acer platanoides	8		4	42.42245009	-71.16199163
559	Black Locust	Robinia pseudoacacia	16		4	42.42240851	-71.16201443
560	Norway Maple	Acer platanoides	6		4	42.42241607	-71.16206776

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
561	Norway Maple	Acer platanoides	8		4	42.42234281	-71.16209995
562	Norway Maple	Acer platanoides	8		4	42.42228103	-71.16217361
563	Norway Maple	Acer platanoides	4		4	42.42228143	-71.16209727
564	Norway Maple	Acer platanoides	10		4	42.42222702	-71.16214072
565	Norway Maple	Acer platanoides	8		4	42.42217514	-71.16218101
566	Norway Maple	Acer platanoides	10		4	42.42208203	-71.16209593
567	Norway Maple	Acer platanoides	4		4	42.42219212	-71.16208691
568	Norway Maple	Acer platanoides	12		4	42.42218199	-71.16201057
569	Black Locust	Robinia pseudoacacia	12		4	42.42216184	-71.16194308
570	Norway Maple	Acer platanoides	8		4	42.42225205	-71.16192643
571	Norway Maple	Acer platanoides	8		4	42.4222879	-71.16199217
572	Norway Maple	Acer platanoides	9		4	42.4222966	-71.16190095
573	Norway Maple	Acer platanoides	7		4	42.42236024	-71.16199325
574	Norway Maple	Acer platanoides	8		4	42.42237248	-71.16189774
575	Norway Maple	Acer platanoides	7		4	42.42245591	-71.16188025
576	Norway Maple	Acer platanoides	6		4	42.42253719	-71.16188164

Total Tree Count 106

Area 4 – Shrub List

Shrub Bed #	Common	Latin	Area	Sq Ft
467	Tree of Heaven	Ailanthus alitissima	4	210
468	Boxelder	Acer negundo	4	387
Total Square Feet				596

Area 5 – Tree List

Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
577	Black Locust	Robinia pseudoacacia	12		5	42.4225857	-71.16177436
578	Red Oak	Quercus rubra	24	Dead	5	42.42252692	-71.16178508
579	Norway Maple	Acer platanoides	8		5	42.42248534	-71.16180654
580	Norway Maple	Acer platanoides	7		5	42.42241253	-71.16182602
581	Norway Maple	Acer platanoides	12		5	42.42233882	-71.16184946
582	Norway Maple	Acer platanoides	10		5	42.42226492	-71.16184329
583	Black Locust	Robinia pseudoacacia	12		5	42.42220826	-71.16184979
584	Tree of Heaven	Ailanthus altissima	5		5	42.42221581	-71.16177633
585	Norway Maple	Acer platanoides	4		5	42.42226531	-71.16176292
586	Norway Maple	Acer platanoides	8		5	42.42232916	-71.16178126
587	Norway Maple	Acer platanoides	9		5	42.42237371	-71.16175578
588	Norway Maple	Acer platanoides	10		5	42.42241429	-71.16173834
589	Norway Maple	Acer platanoides	11		5	42.42246379	-71.16168336
590	Black Locust	Robinia pseudoacacia	12		5	42.42247765	-71.16173969
591	Norway Maple	Acer platanoides	4		5	42.42250438	-71.16165385
592	Norway Maple	Acer platanoides	6		5	42.42252715	-71.16170379
593	Norway Maple	Acer platanoides	12		5	42.4225685	-71.16167243
594	Norway Maple	Acer platanoides	7		5	42.42268763	-71.16164916
595	Norway Maple	Acer platanoides	4		5	42.42274518	-71.16165145
596	Norway Maple	Acer platanoides	6		5	42.42279768	-71.16156038
597	Norway Maple	Acer platanoides	6		5	42.42271635	-71.16153834
598	Norway Maple	Acer platanoides	12		5	42.42257408	-71.16155874
599	Norway Maple	Acer platanoides	6		5	42.42252062	-71.16156142
600	Norway Maple	Acer platanoides	8		5	42.42244736	-71.1615936
601	Norway Maple	Acer platanoides	8		5	42.42238559	-71.16166727
602	Norway Maple	Acer platanoides	10		5	42.42234203	-71.16169811
603	Norway Maple	Acer platanoides	4		5	42.42238598	-71.16159092
604	Norway Maple	Acer platanoides	4		5	42.42234242	-71.16161774
605	Norway Maple	Acer platanoides	8		5	42.42222749	-71.16163834
606	Norway Maple	Acer platanoides	6		5	42.42232417	-71.16155131
607	Norway Maple	Acer platanoides	4		5	42.42233203	-71.16147371
608	Norway Maple	Acer platanoides	4		5	42.4223933	-71.16146265
609	Norway Maple	Acer platanoides	6		5	42.42241606	-71.16151258
610	Norway Maple	Acer platanoides	6		5	42.42244351	-71.16138334
611	Norway Maple	Acer platanoides	12		5	42.42245741	-71.16148122
612	Norway Maple	Acer platanoides	4		5	42.42250569	-71.16140776
613	Norway Maple	Acer platanoides	6		5	42.42252846	-71.1614577
614	Norway Maple	Acer platanoides	12		5	42.42256981	-71.16142634
615	Black Locust	Robinia pseudoacacia	12		5	42.42263676	-71.16138775
616	Norway Maple	Acer platanoides	10		5	42.42265495	-71.16145853
617	Norway Maple	Acer platanoides	8		5	42.42269529	-71.16137192
618	Norway Maple	Acer platanoides	12		5	42.42275408	-71.16145467
619	Norway Maple	Acer platanoides	6		5	42.42279115	-71.16141801
620	Norway Maple	Acer platanoides	10		5	42.42287534	-71.161354

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
621	Black Locust	Robinia pseudoacacia	12		5	42.42285716	-71.16128322
622	Norway Maple	Acer platanoides	12		5	42.4227902	-71.16132181
623	Norway Maple	Acer platanoides	6		5	42.42274885	-71.16135317
624	Norway Maple	Acer platanoides	4		5	42.42272608	-71.16130323
625	Norway Maple	Acer platanoides	8		5	42.42264468	-71.16128046
626	Black Locust	Robinia pseudoacacia	12		5	42.42258088	-71.16133924
627	Norway Maple	Acer platanoides	12		5	42.42257538	-71.16131264
628	Norway Maple	Acer platanoides	6		5	42.42252193	-71.16131533
629	Norway Maple	Acer platanoides	12		5	42.42248486	-71.16135198
630	Norway Maple	Acer platanoides	4		5	42.42241666	-71.16130021
631	Norway Maple	Acer platanoides	10		5	42.42251802	-71.1612478
632	Black Locust	Robinia pseudoacacia	12		5	42.42256306	-71.16126146
633	Norway Maple	Acer platanoides	8		5	42.42260884	-71.16121472
634	Norway Maple	Acer platanoides	9		5	42.42265338	-71.16118924
639	Black Locust	Robinia pseudoacacia	12		5	42.42278346	-71.16115693
640	Norway Maple	Acer platanoides	10		5	42.42273841	-71.16114327
641	Norway Maple	Acer platanoides	6		5	42.42274232	-71.1612108
642	Norway Maple	Acer platanoides	12		5	42.42279578	-71.16120811
643	Black Locust	Robinia pseudoacacia	12		5	42.42280128	-71.16123471
644	Norway Maple	Acer platanoides	12		5	42.4228389	-71.16117839
645	Norway Maple	Acer platanoides	8		5	42.42287256	-71.16122667
646	Norway Maple	Acer platanoides	6		5	42.42287663	-71.16113992
647	Black Locust	Robinia pseudoacacia	12		5	42.42292005	-71.16117518
648	Tree of Heaven	Ailanthus altissima	5		5	42.42292761	-71.16110172
649	Norway Maple	Acer platanoides	10		5	42.42297671	-71.16116868
650	Norway Maple	Acer platanoides	4		5	42.4229771	-71.16108831
651	Norway Maple	Acer platanoides	8		5	42.42282923	-71.16111019
652	Black Locust	Robinia pseudoacacia	12		5	42.42278544	-71.16103355
653	Norway Maple	Acer platanoides	9		5	42.42274497	-71.16106361
654	Norway Maple	Acer platanoides	10		5	42.42267071	-71.16107071
655	Norway Maple	Acer platanoides	10		5	42.42262171	-71.16113157
666	Black Locust	Robinia pseudoacacia	12		5	42.42256504	-71.16113808
667	Norway Maple	Acer platanoides	9		5	42.42252458	-71.16116814
668	Black Locust	Robinia pseudoacacia	12		5	42.42244358	-71.16120148
669	Norway Maple	Acer platanoides	12		5	42.42247083	-71.16114445
670	Black Locust	Robinia pseudoacacia	12		5	42.42248334	-71.16105432
671	Norway Maple	Acer platanoides	6		5	42.42252162	-71.16110282
672	Black Locust	Robinia pseudoacacia	12		5	42.42252558	-71.16102369
673	Norway Maple	Acer platanoides	7		5	42.42253007	-71.1609492
674	Tree of Heaven	Ailanthus altissima	5		5	42.4225726	-71.16106462
675	Norway Maple	Acer platanoides	4		5	42.42261318	-71.16099883
676	Norway Maple	Acer platanoides	4		5	42.42267111	-71.16099035
677	Norway Maple	Acer platanoides	6		5	42.42274201	-71.16099828
678	Black Locust	Robinia pseudoacacia	12		5	42.42274597	-71.16091916

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
679	Tree of Heaven	Ailanthus altissima	5		5	42.42279299	-71.16096008
680	Norway Maple	Acer platanoides	4		5	42.42284249	-71.16094667
681	Norway Maple	Acer platanoides	12		5	42.42289949	-71.16091821
682	Norway Maple	Acer platanoides	9		5	42.42291691	-71.16099796
683	Norway Maple	Acer platanoides	8		5	42.42296963	-71.16093869
684	Norway Maple	Acer platanoides	10		5	42.4228421	-71.16102704
685	Norway Maple	Acer platanoides	6		5	42.42307575	-71.16084181
686	Tree of Heaven	Ailanthus altissima	4		5	42.42286263	-71.1617491
687	Tree of Heaven	Ailanthus altissima	4		5	42.42287488	-71.16159695
688	Tree of Heaven	Ailanthus altissima	4		5	42.42289938	-71.16148353
689	Tree of Heaven	Ailanthus altissima	5		5	42.42296064	-71.16139225
690	Tree of Heaven	Ailanthus altissima	4		5	42.42303416	-71.16129543
691	Tree of Heaven	Ailanthus altissima	4		5	42.42310359	-71.16121797
692	Tree of Heaven	Ailanthus altissima	3		5	42.42318731	-71.16114605
693	Knotweed	Fallopia japonica	10		5	42.4233006	-71.1613745
694	Tree of Heaven	Ailanthus altissima	7		5	42.42345085	-71.16116308
695	Tree of Heaven	Ailanthus altissima	7		5	42.42356173	-71.1611309
696	Tree of Heaven	Ailanthus altissima	7		5	42.42365479	-71.16107725
697	Tree of Heaven	Ailanthus altissima	8		5	42.42367063	-71.16096996
698	Norway Maple	Acer platanoides	24		5	42.4240785	-71.16054886
699	Tree of Heaven	Ailanthus altissima	10		5	42.42409037	-71.16059982
700	Tree of Heaven	Ailanthus altissima	11		5	42.42412007	-71.160573
701	Tree of Heaven	Ailanthus altissima	12		5	42.42410819	-71.16062396
702	Tree of Heaven	Ailanthus altissima	10		5	42.42420521	-71.16053545
703	Norway Maple	Acer platanoides	16		5	42.42435766	-71.16039329
704	Tree of Heaven	Ailanthus altissima	20		5	42.42441508	-71.16034769
705	Tree of Heaven	Ailanthus altissima	30		5	42.42446062	-71.1603772
706	Boxelder	Acer negundo	4		5	42.42454625	-71.16035909
707	Tree of Heaven	Ailanthus altissima	4		5	42.42455318	-71.16034099
708	Boxelder	Acer negundo	4		5	42.42456605	-71.1603269
709	Tree of Heaven	Ailanthus altissima	4		5	42.42458189	-71.1603088
710	Tree of Heaven	Ailanthus altissima	4		5	42.42459555	-71.16028641
711	Tree of Heaven	Ailanthus altissima	4		5	42.4246099	-71.16026496
712	Boxelder	Acer negundo	4		5	42.42463861	-71.16022606
713	Tree of Heaven	Ailanthus altissima	3		5	42.42465445	-71.16020192
714	Tree of Heaven	Ailanthus altissima	3		5	42.42467573	-71.16017913
715	Tree of Heaven	Ailanthus altissima	3		5	42.42469306	-71.16016571
716	Norway Maple	Acer platanoides	5		5	42.42466534	-71.16013353
717	Norway Maple	Acer platanoides	5		5	42.42468761	-71.16010738
718	Tree of Heaven	Ailanthus altissima	4		5	42.42471781	-71.16013487
719	Tree of Heaven	Ailanthus altissima	3	Cluster	5	42.42474849	-71.16011207
720	Tree of Heaven	Ailanthus altissima	3		5	42.42476829	-71.16009732
721	Tree of Heaven	Ailanthus altissima	3		5	42.42478611	-71.16008122
722	Tree of Heaven	Ailanthus altissima	3		5	42.42478611	-71.16007452

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Tree #	Common Name	Latin Name	DBH	Notes 1	Area	Latitude	Longitude
723	Boxelder	Acer negundo	6		5	42.42480294	-71.16006513
724	Tree of Heaven	Ailanthus altissima	3		5	42.42482076	-71.1600544
725	Tree of Heaven	Ailanthus altissima	3		5	42.42483165	-71.16003294
726	Tree of Heaven	Ailanthus altissima	5		5	42.42484353	-71.16001953
727	Tree of Heaven	Ailanthus altissima	3		5	42.42487026	-71.15999137

Total Tree Count 137

Area 5 - Shrub List

Shrub Bed #	Common	Latin	Area	Sq Ft
469	Knottweed	Fallopia japonica	5	712
470	Tree of Heaven	Ailanthus alitissima	5	1687
471	Tree of Heaven	Ailanthus alitissima	5	586
472	Boxelder	Acer negundo	5	302
473	Tree of Heaven	Ailanthus alitissima	5	1790
Total Square Feet				5,077

Appendix C – Invasive Control Specifications

The following specifications are applicable for each year of invasive control for the Summer Street Woods CR surrounding Arlington 360, in Arlington, MA.

The site has been divided into five working Areas (Areas 1 – 5). The Areas have been delineated and defined on included ArcGIS maps. All references to these Areas are consistent with an inventory of invasive plants on the site.

Each area has been measured with approximate acreage and an inventory of approximate invasive plants for removal and treatment have been identified. The scope of work is to be defined by the Area delineation, not the plant count. If additional plants are present at the time of the invasive control, they should be considered for removal under these specifications.

Whitin each area, removal of all:

Norway Maple	<i>Acer platanoides</i>
Tree of Heaven	<i>Ailanthus altissima</i>
Black Locust	<i>Robina pseudoacacia</i>
Boxelder	<i>Acer negundo</i>
Buckthorn	<i>Rhamnus cathartica</i>
Wild Rose	<i>Rosa multiflora</i>
Knotweed	<i>Fallopia japonica</i>
Poison Ivy	<i>Toxicodendron radicans</i>

As well as any standing or fallen dead trees, as well as debris and brush piles will also be removed.

Specific plant maps and lists will be provided.

Trees are to be:

- Cut close to the ground.
- Wood and brush to be removed from the site, no dumping of chips on the site will be allowed.
- Where accessible the stumps are to be ground and the grindings removed from the site.
- Grinding holes are to be filled with loam.

- Where stumps are inaccessible to a stump grinder the stumps will be painted with a concentrated solution (20 percent) of glyphosate.

Shrubs are to be:

- Cut close to the ground.
- Wood and brush to be removed from the site, no dumping of chips on the site will be allowed.
- Cuts will be painted with a concentrated solution (20 percent) of glyphosate.
- Where possible, hand pulling of smaller plants is preferred.

Method of control of invasive shrubs:

Larger plants can be killed by cutting the shrub and painting the stump with a concentrated solution (20 percent) of glyphosate. Applying the herbicide directly to the cut stump using a foam paint brush will introduce the herbicide to the plant's root system and kill the plant. This method is a targeted application and avoids the need to spray and the associated overspray damage to desirable plants. Cutting and painting avoids unintended damage to desirable plants. Cutting and stump painting may need to be conducted over several seasons to fully eliminate some plants.

The selected vendor, or vendors, will be chosen from qualified bids submittals. The chosen vendor will be fully licensed and insured. They will be qualified to perform tree removal and land clearing operations. They shall provide all equipment necessary to perform the scope of services of this Plan. Location will determine the most appropriate method to remove invasive species. It is expected that a crane will be used in some instances. Other areas may will require tree climbers and felling operations. Specialty land-clearing equipment may also be used. The chosen vendor will determine which methods to employ that will result in minimal impact to the surrounding woodland.

Application of herbicides must be performed by a Massachusetts licensed pesticide applicator.

Appendix D – Planting Specifications

The following specifications are applicable for each year of restoration planting for the Summer Street Woods CR surrounding Arlington 360, in Arlington, MA.

The site has been divided into five working Areas (Areas 1 – 5). The Areas have been delineated and defined on included ArcGIS maps. All references to these Areas are consistent with the planting areas on the site. Final plant locations shall be determined and marked by the Consulting Arborist and Landscape Contractor prior to each installation season.

As stated in the Invasive Control Specifications, removal of plants in some areas will require access from previously cleared Areas. To achieve this “work-easements” through previous Areas will remain in place year-to-year. There will be no restoration planting on these easements. This will contain impact on the surrounded woodland to a narrow corridor. This has the additional benefit of potentially becoming a walking trails or some other forms of passive recreation use areas upon completion of the project.

SPECIFICATIONS

- A. All trees must be nursery grown, freshly dug, balled and burlapped. Each tree must be tagged with the tree name (genus and species).
- B. Tree caliper shall be determined at six (6) inches above the ground as the tree stands in its natural position. Correct depth of tree must show root flare 1” to 2” above the existing grade and have no exposed surface roots.
- C. Trees shall be specimen quality with single-straight trunks and symmetrical well-branched crowns that are characteristic of the variety.
- D. A list of planting locations will be provided to vendor prior to each planting season.
- E. Eight ounces of a complete organic fertilizer should be inserted in the hole before planting and mixed thoroughly with subsoil before planting. Additionally, eight ounces of biochar must be deposited in the excavated area before planting each tree.

- F. After planting the tree, the void shall be backfilled with a quality loam mixture approved by Consulting Arborist. Soil backfill mixture must be 92% quality, screened loam and 8% compost mixture.
- G. Each tree shall be inoculated with at least four ounces of mycorrhizal inoculant.
- H. All trees shall be watered at the time of planting and backfilled with loam to keep the trees from tipping. At planting, a minimum of 10 gallons of water will be used to insure no air pockets in soil around root ball. The Contractor shall make all arrangements to apply approximately 15 gallons of potable water to each installed tree.
- I. Water shall be applied in a manner that does not cause erosion. The interval of watering shall average once per week throughout the season. Trees fall shall be watered from April 1st to November 1st.
- J. Stakes must be 8' in length at 45-degree angles with chain locks or arbor tie for support. Any broken branches from shipping or transplanting must be properly removed before the site. The planting site must be cleaned up of any dirt, debris or trash before leaving the site. All tags shall be removed from the tree at time of planting.
- F. Stock furnished shall be 1.5 – 2" caliper for trees and 3 gal for shrubs. Stock may be larger than specified.
- G. Bark mulch shall be shredded pine bark aged at least six months and not longer than two years. The mulch shall be dark brown in color, free of chunks and pieces of wood thicker than one-quarter ($\frac{1}{4}$) inch. Mulch shall be free of stringy material over four inches in length, and free of chunks over three inches in width. It shall not contain an excess of fine particles.
- H. Bark mulch shall be placed over entire planting area of individual trees to a depth of three inches. Bark mulch shall be held back from the base of all tree trunks a minimum of three (3) inches. The mulch shall be higher at the edges of the planting to hold water and moisture. Plants

must be mulched and staked at time of planting; mulch must be 3" inches deep.

- I. Maintenance shall consist of keeping the trees in a healthy growing condition and shall include but not be limited to watering, removal of dead material, resetting trees proper to grades or upright position. Any decline in the condition of trees during the maintenance period shall require the Contractor to take immediate action to identify potential problems and undertake corrective measures. If required, Contractor shall engage professional Arborists and Horticulturalists to inspect plant materials and to identify problems and recommend corrective procedures. The owner's representative shall be immediately advised of such actions. The Contractor shall be responsible for arranging police details when necessary and will incur the cost thereof.
- L. The Contractor shall be responsible for the preservation of all public and private property shall use every precaution necessary to prevent damage thereto. If any direct or indirect damage is done to public or private property by or on account of any act, omission, neglect, or misconduct in the execution of the work on the part of the Contractor, the property shall be restored to the condition equal to that existing before the damage was done, at the Contractor's expense.
- M. Contractor must stake trees and remove stakes at the end of one year's growing season.

N. ACCEPTANCE

Trees shall be accepted provided all requirements have been complied with and the trees are alive and in a healthy, vigorous condition. Final inspection of trees will be made at completion of planting.

O. WARRANTY

Contractor hereby warrants that all trees will remain alive and in healthy, vigorous condition for a period of two (2) years after completion and acceptance of the entire project. Trees that die during the warranty period shall be removed immediately and replaced by the Contractor during the next planting season or as directed Consulting Arborist.

Warranty shall not include damage or loss of trees after planting caused by; fires, floods, winds more than seventy (70) miles per hour and acts of vandalism.

Appendix E – Assumptions and Limited Conditions

1. It is assumed that any property is not in violation of any applicable codes, ordinances, statutes, or other governmental regulations.
2. Care has been taken to obtain all information from reliable sources. All data has been verified insofar as possible; however, the consultant can neither guarantee nor be responsible for the accuracy of information provided by others.
3. The consultant shall not be required to give testimony or to attend court by reason of this report unless subsequent contractual arrangements are made, including payment of an additional fee for such services as described in the fee schedule and contract of engagement.
4. Unless required by law, otherwise, possession of this report or a copy thereof does not imply right of publication or use for any purpose by any other than the person to whom it is addressed, without the prior expressed written or verbal consent of the consultant.
5. Unless required by law, neither all nor any part of the contents of this report, nor copy thereof, shall be conveyed by anyone, including the client, to the public through advertising, public relations, news, sales or other media, without the prior expressed written or verbal consent of the consultant-particularly as to value conclusions, identity of the consultant, or any reference to any professional society or institute or to any initialed designation conferred upon the consultant as stated in his qualifications.
6. This report expressed herein represent the opinion of the consultant, and the consultant's fee is in no way contingent upon the reporting of a specified value, a stipulated result, the occurrence of a subsequent event, nor upon any finding to be reported.
7. Sketches, drawings, and photographs in this report, being intended as visual aids, are not necessarily to scale and should not be construed as engineering or architectural reports or surveys unless expressed otherwise. The reproduction of any information generated by architects, engineers, or other consultants on any sketches, drawings, or photographs is for the express purpose of coordination and ease of reference only. Inclusion of said information on any drawings or other documents does not constitute a representation by *Plant Healthcare Consultants, Inc.* as to the sufficiency or accuracy of said information.
8. Unless expressed otherwise: 1) information contained in this report covers only those items that were examined and reflects the condition of those items at the time of inspection; and 2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring unless otherwise specified. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the plants or property in question may not arise in the future.

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Appendix F - Certification of Performance

Plant Healthcare Consultants, Inc. certify that:

1. We have personally inspected the tree and property referred to in this report and have stated our findings accurately.
2. We have no current or prospective interest in the trees or the property that is the subject of this report and have no personal interest or bias with respect to the parties involved.
3. The analysis, opinions and conclusions stated herein are our own and are based on current scientific procedures and facts.
4. Our analysis, opinions and conclusions were developed, and this report has been prepared according to commonly accepted arboricultural practices.
5. No one provided significant professional assistance to us, except as indicated within the report.
6. Our compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party or upon the results of the assessment, the attainment of stipulated results, or the occurrence of any subsequent events.

We further certify that Plant Healthcare Consultants, Inc. is a member in good standing of the Massachusetts Arborist Association, American Society of Consulting Arborists, the International Society of Arboriculture and Massachusetts Tree Wardens and Foresters Association. We have been involved in the field of Arboriculture for over 30 years.



Daniel E. Cathcart

ASCA Registered Consulting Arborist® #766
ISA Board Certified Master Arborist® #TX-1357BM
ISA Certified Arborist Municipal Specialist®
ISA Tree Risk Assessment Qualified
Massachusetts Certified Arborist #41801
Massachusetts Qualified Tree Warden #1097



Town of Arlington, Massachusetts

Request for Permit Extension: 869 Massachusetts Avenue (Arlington High School)

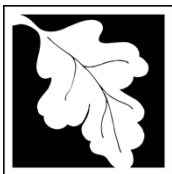
Summary:

Request for Permit Extension: 869 Massachusetts Avenue (Arlington High School).

This public hearing will consider an extension to the permit for work at Arlington High School (DEP #091-0323) for construction of a new high school at 869 Massachusetts Avenue within the 100-foot Wetlands Buffer, Adjacent Upland Resource Area, and the 200-foot Riverfront Area of Mill Brook.

ATTACHMENTS:

	Type	File Name	Description
▢	Reference Material	091- 0323_Arlington_High_School_Extension.pdf	Arlington High School Request for Permit Extension



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

DEP File Number:

WPA Form 7 – Extension Permit for Orders of Conditions

091-0323

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by DEP

A. General Information

Important:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Applicant:

Town of Arlington

Name

730 Massachusetts Avenue

Mailing Address

Arlington

City/Town

MA

State

02476

Zip Code

2. Property Owner (if different):

Name

Mailing Address

City/Town

State

Zip Code

B. Authorization

The Order of Conditions (or Extension Permit) issued to the applicant or property owner listed above on:

Date

Issued by:

Conservation Commission

for work at:

Street Address

Assessor's Map/Plat Number

Parcel/Lot Number

recorded at the Registry of Deeds for:

County

Book

Page

Certificate (if registered land)

is hereby extended until:

Date

Date the Order was last extended (if applicable)

This date can be no more than 3 years from the expiration date of the Order of Conditions or the latest extension. Only unexpired Orders of Conditions or Extension may be extended.

This Extension Permit must be signed by a majority of the Conservation Commission and a copy sent to the applicant and the appropriate DEP Regional Office (<https://www.mass.gov/service-details/massdep-regional-offices-by-community>).



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

WPA Form 7 – Extension Permit for Orders of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

091-0323

Provided by DEP

B. Authorization (cont.)

Issue Date (mm/dd/yyyy)

Signatures:

Signature

Printed Name

Signature

Printed Name

Signature

Printed Name

Signature

Printed Name

Signature

Printed Name

Signature

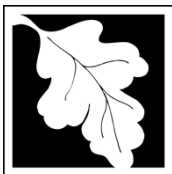
Printed Name

Signature

Printed Name

Signature

Printed Name



WPA Form 7 – Extension Permit for Orders of Conditions

091-0323

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by DEP

C. Recording Confirmation

The applicant shall record this document in accordance with General Condition 8 of the Order of Conditions (see below), complete the form attached to this Extension Permit, have it stamped by the Registry of Deeds, and return it to the Conservation Commission.

Note: General Condition 8 of the Order of Conditions requires the applicant, prior to commencement of work, to record the final Order (or in this case, the Extension Permit for the Order of Conditions) in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, it shall be noted in the Registry's Granter Index under the name of the owner of the land upon which the proposed work is to be done. In the case of registered land, it shall also be noted on the Land Court Certificate of Title of the owner of the land upon which the proposed work is done.

Detach this page and submit it to the Conservation Commission prior to the expiration of the Order of Conditions subject to this Extension Permit.

To:

Conservation Commission

Please be advised that the Extension Permit to the Order of Conditions for the project at:

Project Location

DEP File Number

has been recorded at the Registry of Deeds of:

County

for:

Property Owner

and has been noted in the chain of title of the affected property in accordance with General Condition 8 of the original Order of Conditions on:

Date

Book

Page

If recorded land the instrument number which identifies this transaction is:

Instrument Number

If registered land, the document number which identifies this transaction is:

Document Number

Signature of Applicant